



LG

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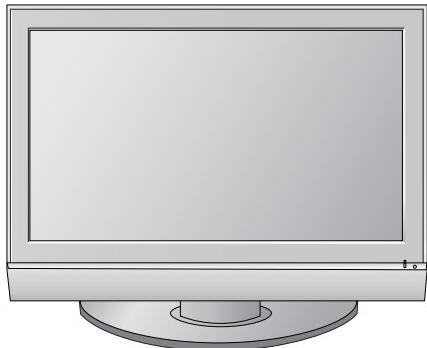
PLASMA TV SERVICE MANUAL

CHASSIS :PA-73E

**MODEL : 50PC5DC 50PC5DC-UC
50PC5D 50PC5D-UC**

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by  in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer** should always be used during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the same specified type.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

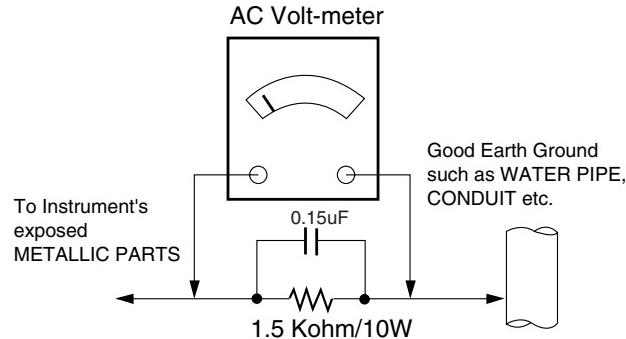
Do not use a line Isolation Transformer during this check. Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



CANADA: LG Electronics Canada, Inc. 550 Matheson Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Customer Interactive Center
P.O.Box 240007, 201 James Record Road Huntsville,
AL 35824
Digital TV Hotline 1-800-243-0000

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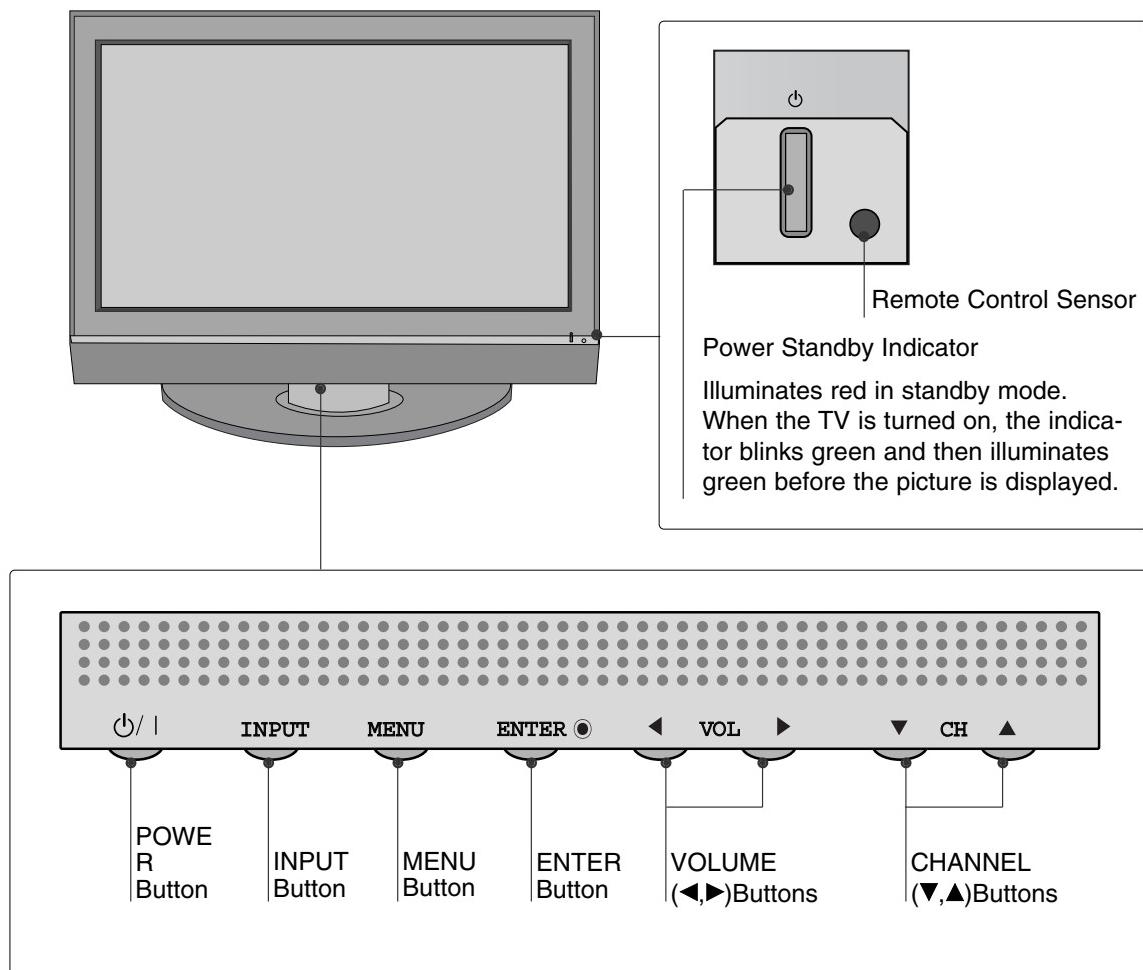
DESCRIPTION OF CONTROLS

FRONT PANEL INFORMATION

Here shown may be somewhat different from your TV.

Front Panel Controls

Plasma TV Model

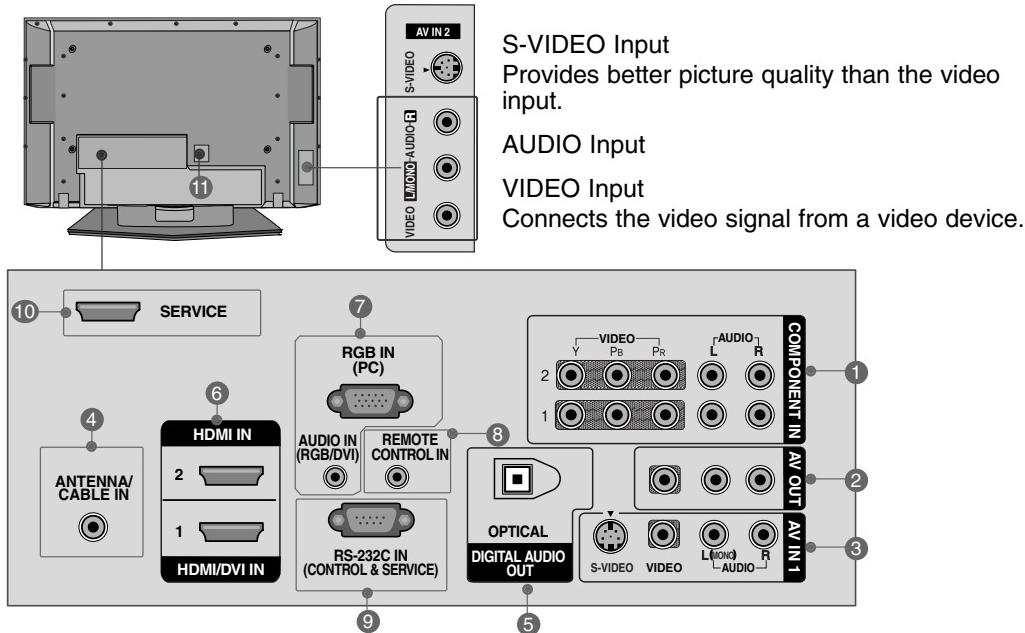


DESCRIPTION OF CONTROLS

BACK PANEL INFORMATION

Back Connection Panel

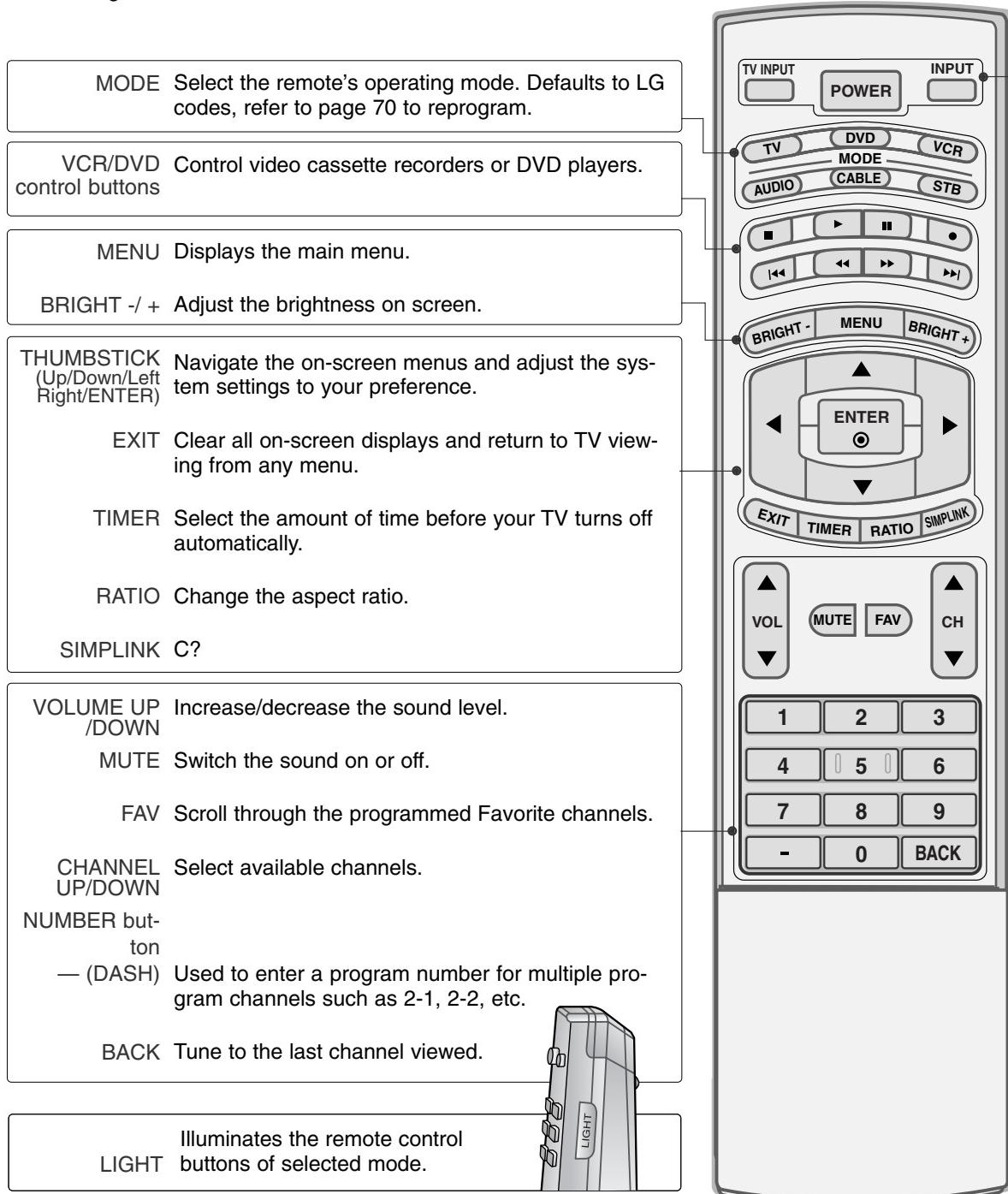
Plasma TV Model



DESCRIPTION OF CONTROLS

REMOTE CONTROL FUNCTIONS

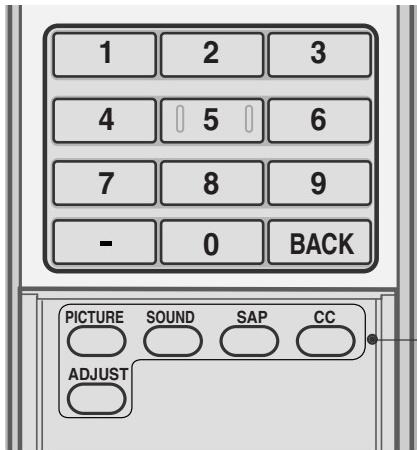
When using the remote control, aim it at the remote control sensor on the TV.



DESCRIPTION OF CONTROLS

- POWER Turns your TV or any other programmed equipment on or off, depending on the mode.
- TV INPUT In AV 1-2, Component 1-2, RGB-PC, HDMI1/DVI, and HDMI2 input sources, screen returns to the last TV channel.
- INPUT External input modes rotate in regular sequence: TV, AV1-2, Component 1-2, RGB-PC, HDMI1/DVI and HDMI2.
(AV 1-2, Component 1-2, RGB-PC, HDMI1/DVI, and HDMI2 input sources are linked automatically, only if a device is connected.)

Inside the Sliding Cover



- PICTURE Selects the factory preset picture depend on the viewing environment.
- SOUND Selects the factory preset sound for type of program.
- SAP •Analog mode: Selects MTS sound (Mono, Stereo, or a SAP)
•DTV mode: Changes the audio language.
- CC Select a closed caption.
(*In DTV/CADTV mode)
- ADJUST Adjust the screen resolution, position, size and phase.

SPECIFICATIONS

MODELS		42PC5D (42PC5D-UC)	50PC5D (50PC5D-UC)
Dimensions (Width x Height x Depth)	Including stand	41.3 x 30.2 x 12.2 inches 1048.0 x 766.0 x 310.0 mm	48.9 x 34.9 x 14.6 inches 1242.0 x 887.6 x 370.0 mm
	Excluding stand	41.3 x 28.1 x 3.3 inches 1048.0 x 713.0 x 83.5 mm	48.9 x 32.6 x 3.5 inches 1242.0 x 827.2 x 88.0 mm
Weight	including stand excluding stand	60.8 pounds / 27.6 kg 53.4 pounds / 24.2 kg	86.6 pounds / 39.3 kg 76.3 pounds / 34.6 kg
Power requirement		AC100-240V ~ 50/60Hz	
Television System		NTSC-M, ATSC, 64 & 256 QAM	
Program Coverage		VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135	
External Antenna		75 ohm	
Impedance			
Environment condition	Operating Temperature	32 ~ 104°F (0 ~ 40°C)	
	Operating Humidity	Less than 80%	
	Storage Temperature	-4 ~ 140°F (-20 ~ 60°C)	
	Storage Humidity	Less than 85%	

The specifications shown above may be changed without prior notice for quality improvement.

ADJUSTMENT INSTRUCTIONS

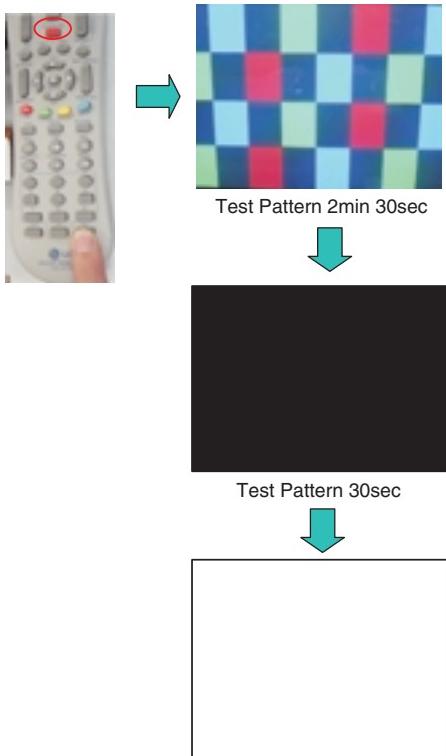
1. Application Object

These instructions are applied to all of the PDP TV, PA73E.

If you turn on a still screen more than 20 minutes (Especially Digital pattern(13 CH), Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

2. Notes

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
 - (2) Adjustments must be done in the correct order.
 - (3) The adjustments must be performed in the circumstance of $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
 - (4) The input voltage of the receiver be must kept 110V, 60Hz when adjusting.
 - (5) The receiver must be operational for about 15 minutes prior to the adjustments.
- Preliminary action is applied to the test for afterimage discharge detection, and 100% FULL WHITE PATTERN must be operated automatically.
- 1) Pressing Power On key
 - 2) Full Test Pattern(2 min 30sec)
 - 3) Full Black Pattern(30sec)
 - 4) Full White Pattern
- Pattern Mode is deselected by pressing CH +/-, Exit Key.

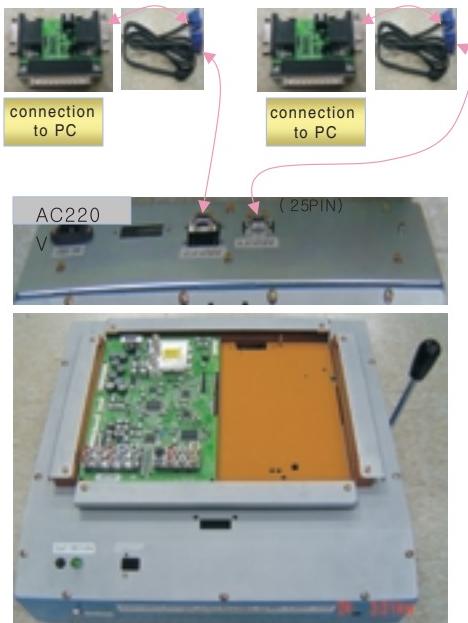


3. MICOM Download(Option)

3-1. Required Test Equipment

- (1) JIG-LEVER TYPE for adjusting: 1EA
- (2) PC & MONITOR: 2EA
- (3) BOARD for INTERFACE: IIC & ISP BOARD: 2EA
- (4) 15P D-SUB CABLE: 2EA
- (5) Using the 12/15 line of D-SUB 15P
12-SDA/15-SCL

3-2. JIG Connection



3-3. Establishment Program

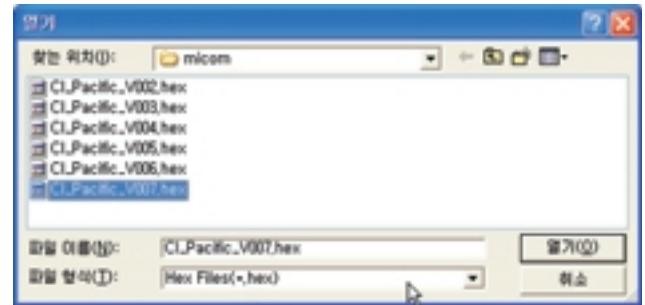
- (1) Establish LGE Monitor Tools v1.1
- (2) The program work and it is opened program window as seen below.



* Set is activated HEAT-RUN without signal generator in this mode.

ADJUSTMENT INSTRUCTIONS

- (3) Click the first icon shown in fig.9. The window seen in fig.10 should appear.



- (3) Click the Send.



- (4) When you see (ISP COMPLETE) the download is complete.



3-4. Set Method

(1) MCU Select: MTV512M64

(2) Option

R/W Option: Auto Write(Verity)

Jig Option: Myson

Transmit Speed: Medium

(3) Check: Just do it with blank micom.

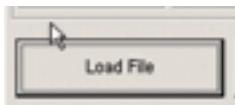
(4) PORT

Choose Parallel Port (normal LPT1)

Attention: You must choose EPP when select Rom BIAS at LPT

3-5. Download Method

- (1) Click the Load File.



- (2) Locate and select the correct file from your computer.
(*.hex).

ADJUSTMENT INSTRUCTIONS

4. USB S/W Download (Option)

4-1. Overview

USB Download enables quick response to S/W upgrading and helps to configure the panel to the latest updates.

4-2. How to Download

- (1) Before starting USB download, ensure that the power is turned off and the display is turned on.
- (2) Once the USB memory stick containing the upgraded file is connected to the USB port on the main board, the following picture appears on the screen.



<S/W Upgrade Screen>

- (3) Check the current version at [Current TV Software Version Information] and the target version at [New Found TV Software Version Information]. Press Enter on the remote controller to confirm the upgrade.
- (4) The following picture shows the downloading in progress. Once the download is completed, the power is automatically turned on and off. (Otherwise, please turn the power on and off)



<Downloading in progress Screen>

- (5) Once the download is completed, remove the USB memory stick from the USB port. Press IN-START on the remote controller to check the upgraded S/W version at the top of the screen while the display is turned on.

ADJUSTMENT INSTRUCTIONS

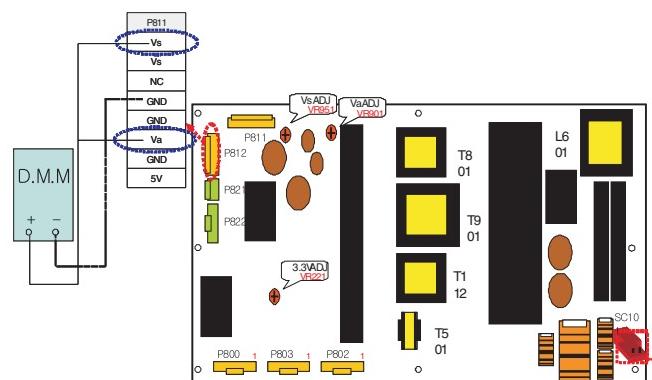
Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the PDP Module.)

5. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

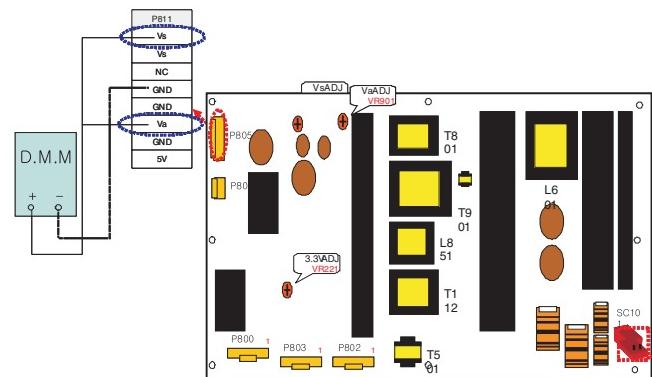
5-1. Test Equipment : D.M.M 1EA

5-2. Connection Diagram for Measuring

Refer to Fig 1.



<Fig. 1-1> Connection Diagram of Power Adjustment for Measuring (Power Board): 42" XGA/VGA



<Fig. 1-2> Connection Diagram of Power Adjustment for Measuring (Power Board): 50"

5-3. Adjustment(42"/50")

(1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P812(50": P805) and connect – terminal to GND pin of P812(50": P805).
- 2) Adjust VR901 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P812(50": P805) and connect – terminal to GND pin of P812(50": P805).
- 2) Adjust VR951 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

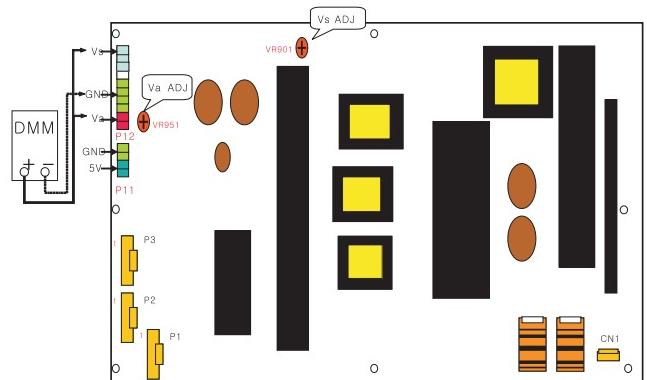
5-4. Adjustment(Sanken: EAY32929001)

(1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P12 and connect – terminal to GND pin of P12.
- 2) Adjust VR951 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P12 and connect – terminal to GND pin of P12.
- 2) Adjust VR901 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)



<Fig. 1-3> 50" PSU(Sanken: EAY32929001)

ADJUSTMENT INSTRUCTIONS

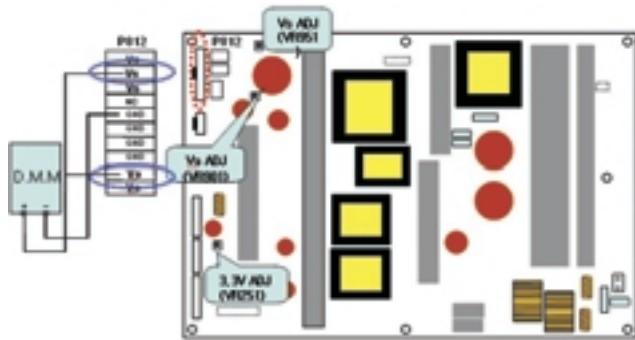
5-5. Adjustment(LG IT: EAY32957901)

(1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P812 and connect – terminal to GND pin of P812.
- 2) Adjust VR951 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P812 and connect – terminal to GND pin of P812.
- 2) Adjust VR901 voltage to match that of the label on the Top/Right of the panel. (Deviation : $\pm 0.5V$)



<Fig. 1-4> 50" PSU(LG IT: EAY32957901)

6. ADC-Set Adjustment

6-1. Synopsis

ADC-Set adjustment to set the black level and the Gain to optimum.

6-2. Test Equipment

Service R/C, 801GF(802V, 802F, 802R) or MSPG925FA Pattern Generator
(480i/1080i The Horizontal 100% Color Bar Pattern adjust to within $0.7 \pm 0.1 V_{p-p}$)

[ADC adjustment (MSPG-925Fx series) Model No. & Pattern No.]

- Model No.: #209(480i adjustment), #223(1080i adjustment)
- Pattern No.: #65(7ColorBar Pattern)

Ez Adjust

1. CVBS ACC Adjust
2. ADC 480i Comp1
3. ADC 1080i Comp1/RGB
4. Reserved
5. Sub-Brightness/Contrast
6. White-Balance
7. Module Control
8. Temperature Threshold
9. White-Pattern
10. 2 Hour Off Option
11. OAD

<Fig. 2> Adjustment Mode



<Fig. 3> Adjustment Pattern: 480i/1080i 60Hz HozTV31Bar Pattern

ADJUSTMENT INSTRUCTIONS

6-3. Adjustment

- (1) Select Component1 as the input with 100% Horizontal Color Bar Pattern(HozTV31Bar) in 480i Mode
- (2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '2. ADC 480i Comp1'.
Pressing the Enter Key to adjust automatically.
- (3) When the adjustment is over, 'MST3361 Component Success' is displayed. If the adjustment has errors, 'MST3361 Configuration Error' is displayed.
- (4) Select Component1 as the input with 100% Horizontal Color Bar Pattern(HozTV31Bar) in 1080i Mode.
- (5) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '3. ADC 1080i Comp1/RGB'.
Pressing the Enter Key to adjust automatically.
- (6) When the adjustment is over, 'MST3361 Component Success' is displayed. If the adjustment has errors, 'MST3361 Configuration Error' is displayed.
- (7) After the Component MST3361 adjustment is over, convert the RGB-DTV Mode and display Pattern.
When the adjustment is over, 'MST3361 RGB_DTV Success' is displayed.
- (8) Readjust after confirming the case Pattern or adjustment condition where the adjustment errors.
- (9) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

7. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) Download

This is the function that enables "Plug and Play".

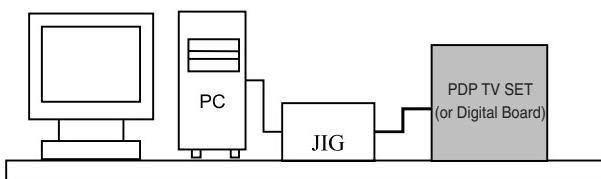
7-1. HDMI EDID Data Input

(1) Required Test Equipment

- 1) PC, Jig for adjusting DDC. (PC serial to D-sub Connection equipment)
- 2) S/W for writing DDC(EDID data write & read)
- 3) D-Sub cable
- 4) Jig for HDMI Cable connection

(2) Preparation for Adjustments & Setting of Device

- 1) Set devices as below and turn on the PC and JIG.
- 2) Open S/W for writing DDC (EDID data write & read). (operated in DOS mode)



7-2. EDID DATA for PA-73E

[42PC5D-UC]

- EDID for HDMI-1 (DDC (Display Data Channel) Data)
EDID Block 0 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		
0	I	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	I	00	10	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	I	09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01	01
30	I	01	01	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	I	36	00	C4	8E	21	00	00	1E	0E	1F	00	80	51	00	1E	30
50	I	40	80	37	00	C4	8E	21	00	00	1C	00	00	00	FD	00	38
60	I	4B	1F	3C	09	00	0A	20	20	20	02	20	00	00	00	FC	
70	I	00	34	32	50	43	35	44	2D	55	43	0A	20	20	20	01	5D

EDID Block 1 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		
0	I	02	03	15	F1	46	84	05	03	02	20	22	23	15	07	50	65
10	I	03	0C	00	10	00	01	1D	00	72	51	D0	1E	20	6E	28	55
20	I	00	C4	8E	21	00	00	1E	01	1D	80	18	71	1C	16	20	58
30	I	2C	25	00	C4	8E	21	00	00	9E	8C	0A	D0	8A	20	E0	2D
40	I	10	10	3E	96	00	C4	8E	21	00	00	18	8C	0A	D0	8A	20
50	I	E0	2D	10	10	3E	96	00	13	8E	21	00	00	18	00	00	00
60	I	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70	I	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	A7

- EDID for HDMI-2 (DDC (Display Data Channel) Data)

EDID Block 0 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		
0	I	00	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01	01
10	I	00	10	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	I	09	48	4C	2F	CE	00	31	40	45	40	61	40	01	01	01	01
30	I	01	01	01	01	01	01	01	1D	00	72	51	D0	1E	20	6E	28
40	I	55	00	C4	8E	21	00	00	1E	01	1D	80	18	71	1C	16	20
50	I	58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	FC	00	34
60	I	32	50	43	35	44	2D	55	43	0A	20	20	20	00	00	00	FD
70	I	00	38	4B	1F	3C	09	00	0A	20	20	20	20	20	20	01	0D

EDID Block 1 table =

0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F		
0	I	02	03	15	F1	46	84	05	03	02	20	22	23	15	07	50	65
10	I	03	0C	00	20	00	8C	0A	D0	8A	20	E0	2D	10	10	3E	96
20	I	00	C4	8E	21	00	00	18	8C	0A	D0	8A	20	E0	2D	10	10
30	I	3E	96	00	13	8E	21	00	00	18	00	00	00	00	00	00	00
40	I	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50	I	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60	I	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70	I	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	35

ADJUSTMENT INSTRUCTIONS

- EDID for RGB-PC

EDID Block 0 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0 00 FF FF FF FF FF 00 1E 6D 01 00 01 01 01 01 01																
10 00 10 01 03 68 73 41 96 0A CF 30 A3 57 4C B0 23																
20 09 50 4E A1 08 00 01 01 01 01 01 01 01 01 01 01 01																
30 01 01 01 01 01 01 66 21 50 B0 51 00 1B 30 40 70																
40 36 00 C4 8E 21 00 00 1E 0E 1F 00 80 51 00 1E 30																
50 40 80 37 00 C4 8E 21 00 00 1C 00 00 00 FD 00 38																
60 4B 1F 3C 09 00 0A 20 20 20 20 20 00 00 00 FC																
70 00 34 32 50 43 35 44 2D 55 43 0A 20 20 20 00 77																

[50PC5D-UC]

- EDID for HDMI-1 (DDC (Display Data Channel) Data)

EDID Block 0 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0 00 FF FF FF FF FF 00 1E 6D 01 00 01 01 01 01 01																
10 00 10 01 03 80 73 41 96 0A CF 74 A3 57 4C B0 23																
20 09 48 4C 2F CE 00 31 40 45 40 61 40 01 01 01 01 01																
30 01 01 01 01 01 01 66 21 50 B0 51 00 1B 30 40 70																
40 36 00 C4 8E 21 00 00 1E 0E 1F 00 80 51 00 1E 30																
50 40 80 37 00 C4 8E 21 00 00 1C 00 00 00 FD 00 38																
60 4B 1F 3C 09 00 0A 20 20 20 20 20 00 00 00 FC																
70 00 35 30 50 43 35 44 2D 55 43 0A 20 20 20 01 5E																

EDID Block 1 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0 02 03 15 F1 46 84 05 03 02 20 22 23 15 07 50 65																
10 03 0C 00 10 00 01 1D 00 72 51 D0 1E 20 6E 28 55																
20 00 C4 8E 21 00 00 1E 01 1D 80 18 71 1C 16 20 58																
30 2C 25 00 C4 8E 21 00 00 9E 8C 0A D0 8A 20 E0 2D																
40 10 10 3E 96 00 C4 8E 21 00 00 18 8C 0A D0 8A 20																
50 E0 2D 10 10 3E 96 00 13 8E 21 00 00 18 00 00 00																
60 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00																
70 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 A7																

- EDID for HDMI-2 (DDC (Display Data Channel) Data)

EDID Block 0 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0 00 FF FF FF FF FF 00 1E 6D 01 00 01 01 01 01 01																
10 00 10 01 03 80 73 41 96 0A CF 74 A3 57 4C B0 23																
20 09 48 4C 2F CE 00 31 40 45 40 61 40 01 01 01 01																
30 01 01 01 01 01 01 1D 00 72 51 D0 1E 20 6E 28																
40 55 00 C4 8E 21 00 00 1E 01 1D 80 18 71 1C 16 20																
50 58 2C 25 00 C4 8E 21 00 00 9E 00 00 00 FC 00 35																
60 30 50 43 35 44 2D 55 43 0A 20 20 20 00 00 00 FD																
70 00 38 4B 1F 3C 09 00 0A 20 20 20 20 20 01 0E																

EDID Block 1 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0 02 03 15 F1 46 84 05 03 02 20 22 23 15 07 50 65																
10 03 0C 00 20 00 8C 0A D0 8A 20 E0 2D 10 10 3E 96																
20 00 C4 8E 21 00 00 18 8C 0A D0 8A 20 E0 2D 10 10																
30 3E 96 00 13 8E 21 00 00 18 00 00 00 00 00 00 00 00 00																
40 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00																
50 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00																
60 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00																
70 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 35																

- EDID for RGB-PC

EDID Block 0 table =

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0 00 FF FF FF FF FF 00 1E 6D 01 00 01 01 01 01 01																
10 00 10 01 03 80 73 41 96 0A CF 74 A3 57 4C B0 23																
20 09 50 4E A1 08 00 01 01 01 01 01 01 01 01 01 01																
30 01 01 01 01 01 01 66 21 50 B0 51 00 1B 30 40 70																
40 36 00 C4 8E 21 00 00 1E 0E 1F 00 80 51 00 1E 30																
50 40 80 37 00 C4 8E 21 00 00 1C 00 00 00 FD 00 38																
60 4B 1F 3C 09 00 0A 20 20 20 20 20 00 00 00 00 FC																
70 00 35 30 50 43 33 44 2D 55 45 0A 20 20 20 00 78																

ADJUSTMENT INSTRUCTIONS

8. Adjustment of White Balance

8-1. The Purpose and Principal of Color Temperature Adjustment

- (1) Purpose: to reduce the difference in color temperature among modules
- (2) Principal: A module is in full dynamic range when RGB Gain on OSD is 192. To adjust the white balance without causing full dynamic range and full data, fix one of RGB Gains at 192 and control the other two by reducing them from 192.

8-2. Required Equipment

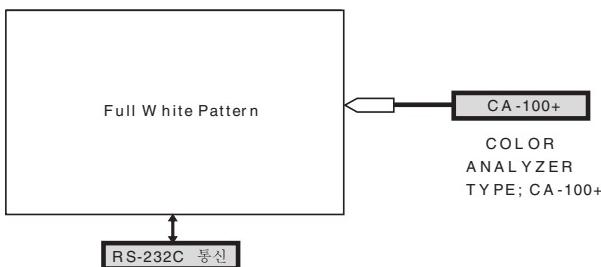
- (1) Color Analyzer : CA-100+(CH 10), CA-100(CH 10) or CA-210(CH 10)
=> To adjust color temperature of Plasma, CS-1000 is the Color Analyzer and should be set to use CH 10 in which white, red, green, and blue color are corrected. Conduct the adjustment according to the coordinates for White Balance adjustment in the table below.

In the case of using color-corrected CA-100, CA-100+, and CA-210 (using CH10) to adjust Plasma, there are differences for CS-1000 in the result due to the characteristics of a module or filter. The target values of the color coordinates in the table below are given to prevent it.

- (2) Automatic adjustor (with automatic adjustment necessity and the RS-232C communication being possible)

8-3. Connection Diagram of Equipment for Measuring (Automatic Adjustment)

Use the internal pattern to adjust White Balance. The pattern is automatically given when the automatic adjustment device is connected or when a user presses ADJ on the remote controller to start Ez Adjust and then selects 6.White-Balance.



Connection Diagram of Automatic Adjustment

* Requirements for Automatic Adjustment

- (1) The illuminance of surroundings
10 lux or less; preventing light in surroundings as much as possible
- (2) The location of the Probe
 - 1) For PDP: place the color analyzer (CA-100, CA-100+, and CA-210) close to the surface of a module and start the adjustment.
 - 2) For LCD: place the color analyzer (CA-210) close to the surface of a module within 10 cm and keep the probe of the color analyzer at 80° to 100° angle from the surface of a module.
- (3) Aging time
 - 1) Once Aging is started, keep the power on without power supply interruption for at least 15 minutes for heat run.
 - 2) For PDP, use the internal pattern to adjust White Pattern.
 - 3) For LCD, use NO SIGNAL or Full White Pattern to ensure the backlight is turned on.

8-4. Adjustment of White Balance

(Automatic Adjustment)

- (1) Turn on the POWER ON(■) of the remote controller to set the adjustment and then start the automatic adjustment or set the Baud Rate to 115200.Â of the remote controller to
- (2) Start the adjustment from "wb 00 00" and complete it at "wb 00 ff". (Adjust the offset if necessary)

wb 00 00 the automatic adjustment of White Balance is started.

wb 00 10 adjusting gain (internal pattern appears) is started.

ja 00 ff adjusting data

jb 00 c0

...

wb 00 1f adjusting gain is completed.

Adjust the offset (from wb 00 20 to wb 00 2f) if necessary.

wb 00 ff the automatic adjustment of White Balance (internal pattern disappears) is completed.

ADJUSTMENT INSTRUCTIONS

* RS-232C Command (Automatic Adjustment)

[42PC5D-UC] & [50PC5D-UC]

	RS-232C COMMAND [CMD ID DATA]			Min	CENTER (DEFAULT)(Decimal)			Max (Decimal)
	Cool	Mid	Warm		Cool	Mid	Warm	
R Gain	jg	ja	jd	00				192
G Gain	jh	jb	je	00				192
B Gain	ji	jc	jf	00				192
R Cut					64	64	64	
G Cut					64	64	64	
B Cut					64	64	64	

[WARNING] RGB-Cut fixed value

If the model has a fixed value, the equivalent value must be applied.

Fix one of three Gains (R Gain, G Gain, and B Gain) at 192 and control the other two by reducing values from 192.

* Color temperature: Cool, Medium, Warm

- (1) When R Gain is fixed at 192,
Control G Gain and B Gain by reducing them from 192.
- (2) When B Gain is fixed at 192,
Control R Gain and G Gain by reducing them from 192.
- (3) When G Gain is fixed to 192,
Control R Gain and B Gain by reducing them from 192.

Fix one of three Gains (R Gain, G Gain, and B Gain) at 192 and control the other two by reducing values from 192 to prevent it from increasing.

(When RGB Gains are all 192, the module is in full dynamic range.)

8-5. Adjustment of White Balance

(Manual Adjustment)

Required Equipment: CA-100 (CH 10), CA-100+ (CH 10), CA-210 (CH-10)

--> To adjust color temperature of Plasma, CS-1000 is the Color Analyzer and should be set to use CH 10 in which white, red, green, and blue color are corrected. Conduct the adjustment according to the coordinates for White Balance adjustment in the table below.

- (1) Enter 'Ez - Adjust' by pressing ADJ KEY on the Service Remote Control.
- (2) Select "9. TEST PATTERN" using CH +/- Key and HEAT RUN at least 30 minutes by pressing the ENTER Key.
- (3) Zero Calibrate of the Color Analyzer, then attach sensor to PDP module surface when you adjust.
- (4) Select '6. White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (►).
(The internal pattern of full white appears by pressing ►)
- (5) The adjustment is conducted in three levels of color temperature; COOL, MEDIUM, and WARM.

[WARNING] RGB-Cut fixed value

If the model has a fixed value, the equivalent value must be applied.

ADJUSTMENT INSTRUCTIONS

* White Balanc

High Level : 216gray

[The standard coordinates and color temperature for CS-1000]

Mode	Color Coordination		Temp	Δ uv
	x	y		
Cool	0.276	0.283	11000K	0.0000
Medium	0.285	0.293	9300K	0.0000
Warm	0.314	0.324	6500K	0.0000

[The standard coordinates and color temperature for CA-100/100+ (CH 10)]

Module	Maker	Filter	Mode	Color Coordination		Temp	Δ uv
				x	y		
42" XGA 42X4	LGE	41% Glass	Cool	0.276±0.002	0.280±0.002	11200K	-0.002
			Medium	0.285±0.002	0.290±0.002	9400K	-0.002
			Warm	0.314±0.002	0.321±0.002	6500K	-0.002
50" WXGA 50X4	LGE	41% Glass	Cool	0.276±0.002	0.281±0.002	11100K	-0.001
			Medium	0.285±0.002	0.291±0.002	9400K	-0.002
			Warm	0.314±0.002	0.322±0.002	6500K	-0.001

[The standard coordinates and color temperature for CA-210(CH 10)]

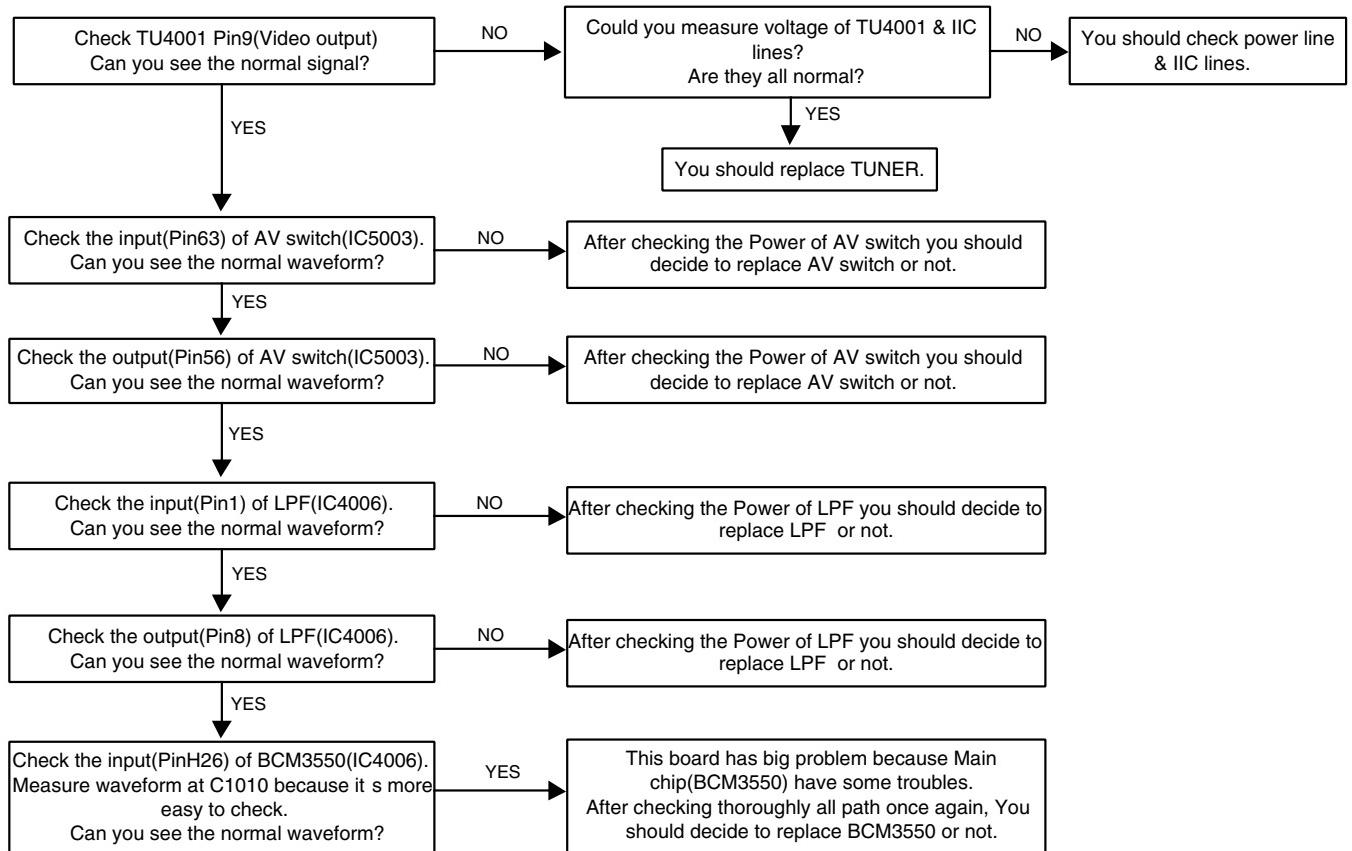
Module	Maker	Filter	Mode	Color Coordination		Temp	Δ uv
				x	y		
42" XGA 42X3	LGE	41% Glass	Cool	0.276±0.002	0.280±0.002	11000K	0.0000
			Medium	0.285±0.002	0.293±0.002	9300K	0.0000
			Warm	0.314±0.002	0.324±0.002	6500K	0.0000

50" WXGA(50X4) 41% Glass Filter

This model can be adjusted by using the same color coordinates to 42" XGA (42X4) 41% Glass Filter.

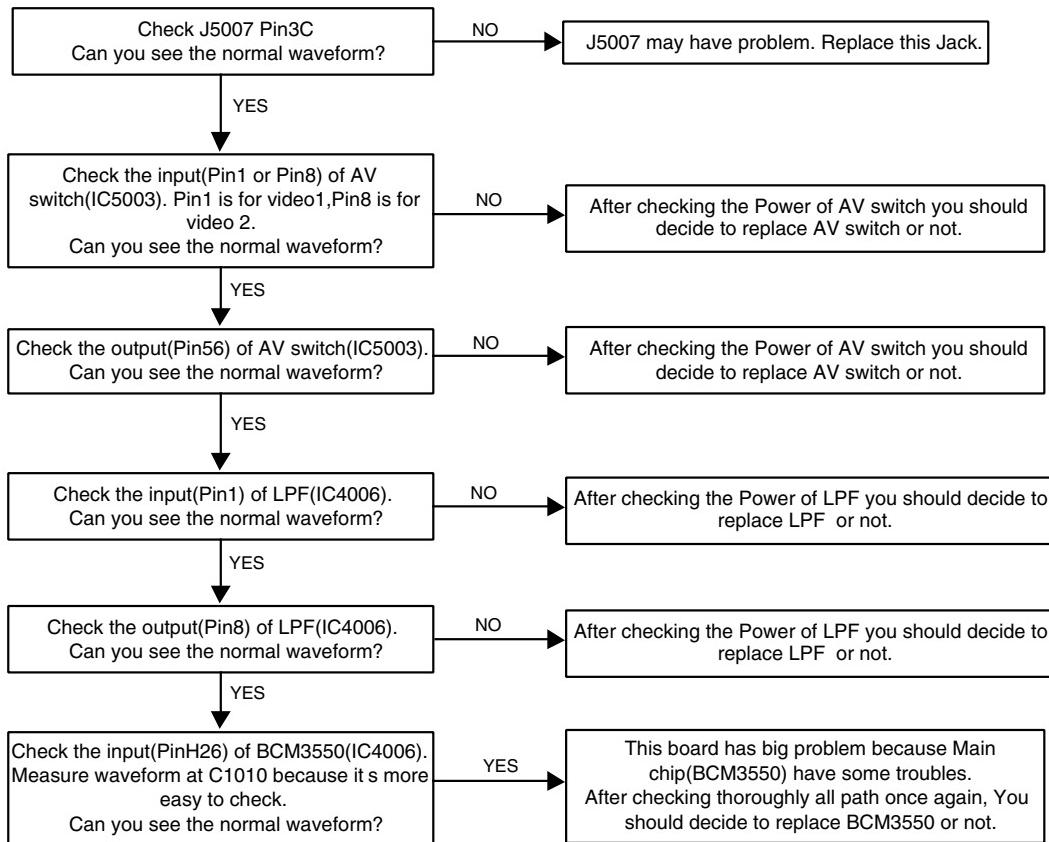
TROUBLESHOOTING GUIDE

TV/CATV doesn't display



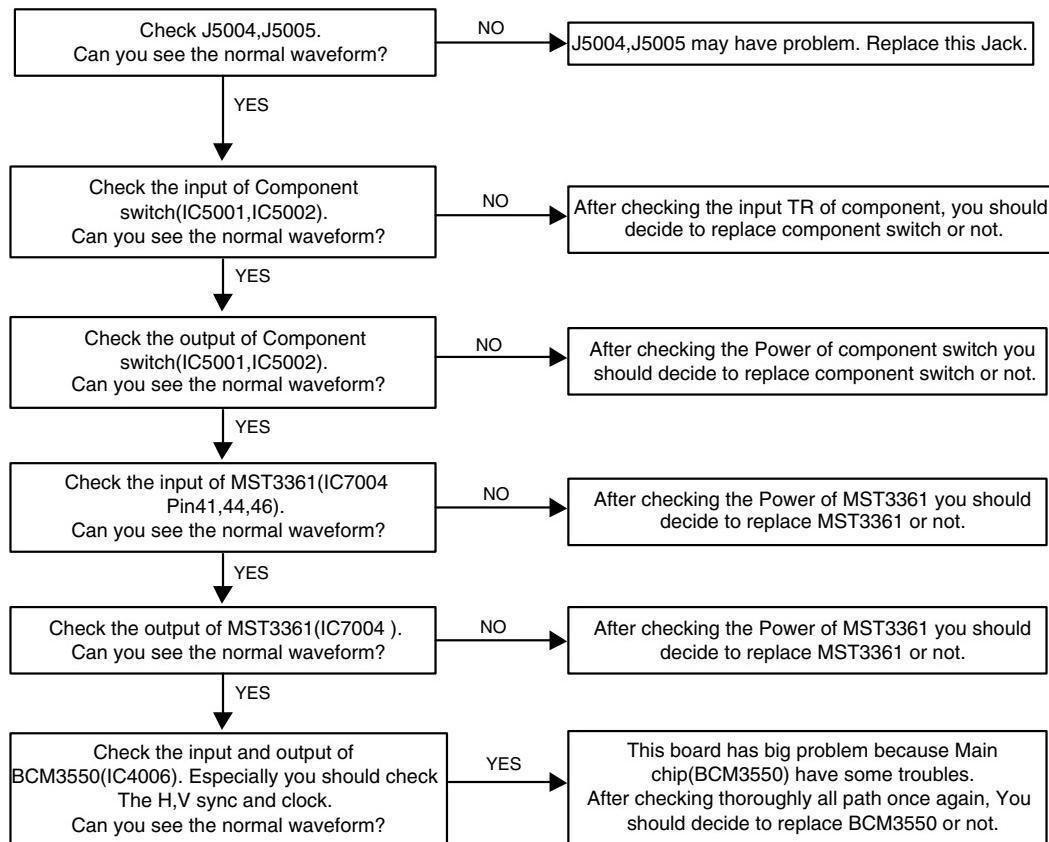
TROUBLESHOOTING GUIDE

Video doesn't display



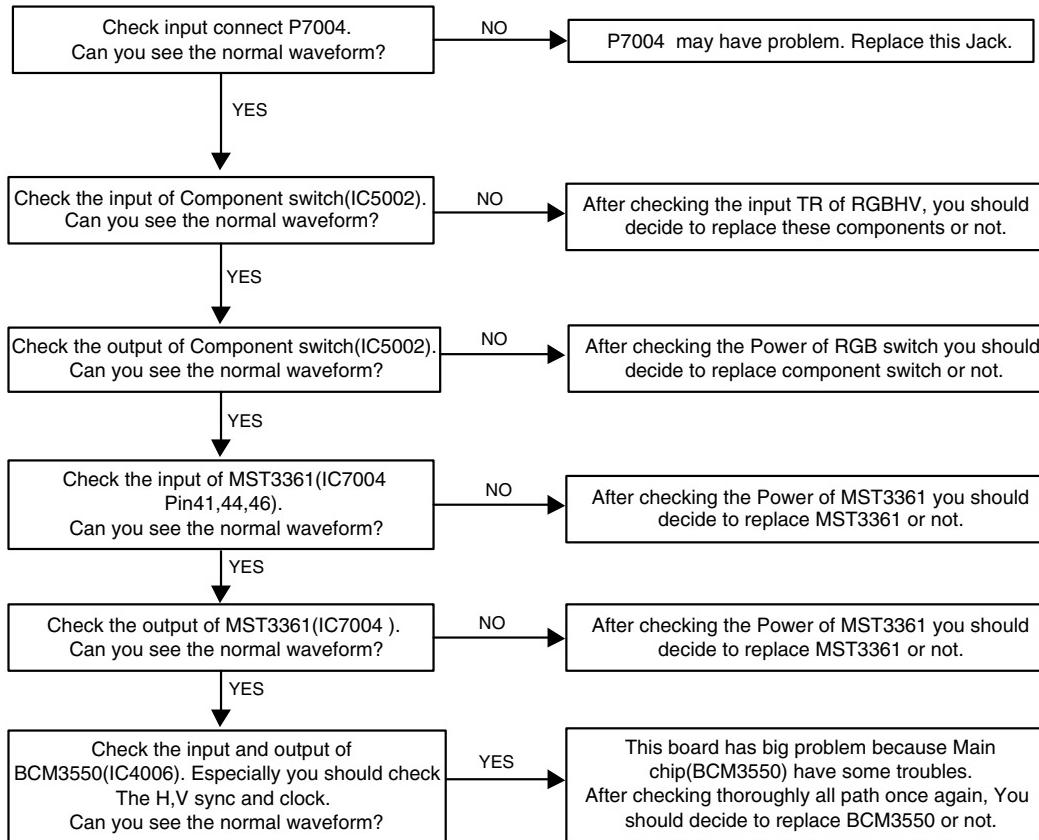
TROUBLESHOOTING GUIDE

Component doesn't display



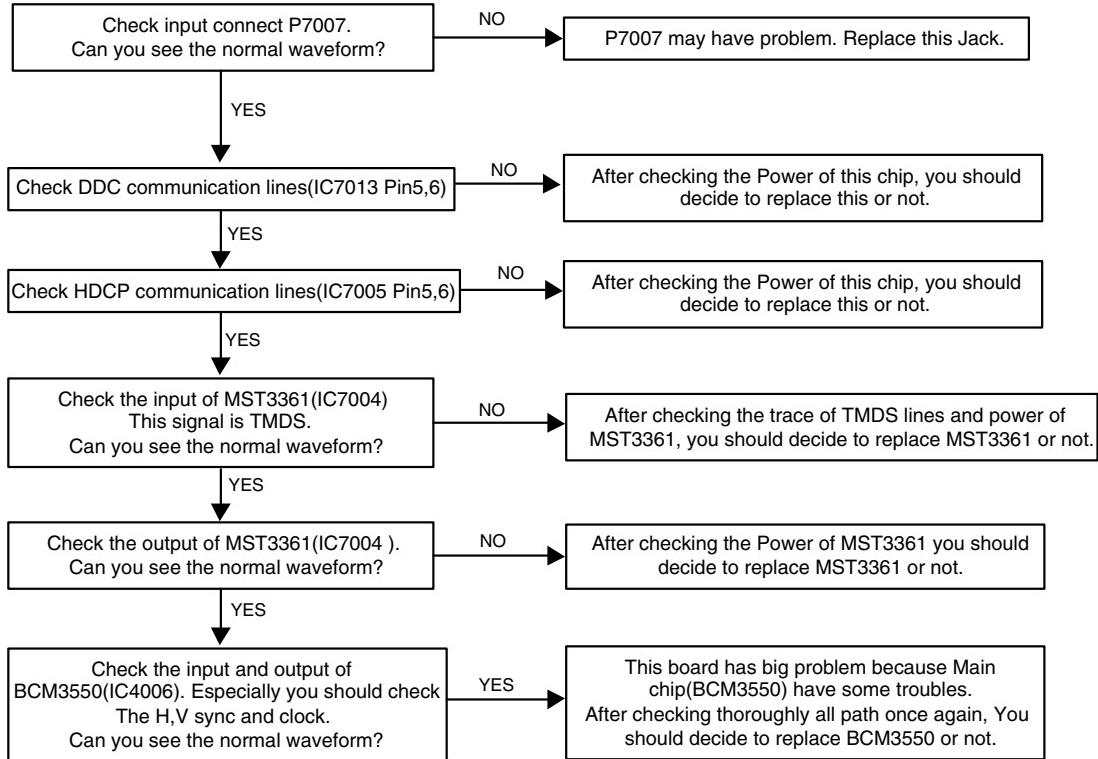
TROUBLESHOOTING GUIDE

RGB_PC doesn't display



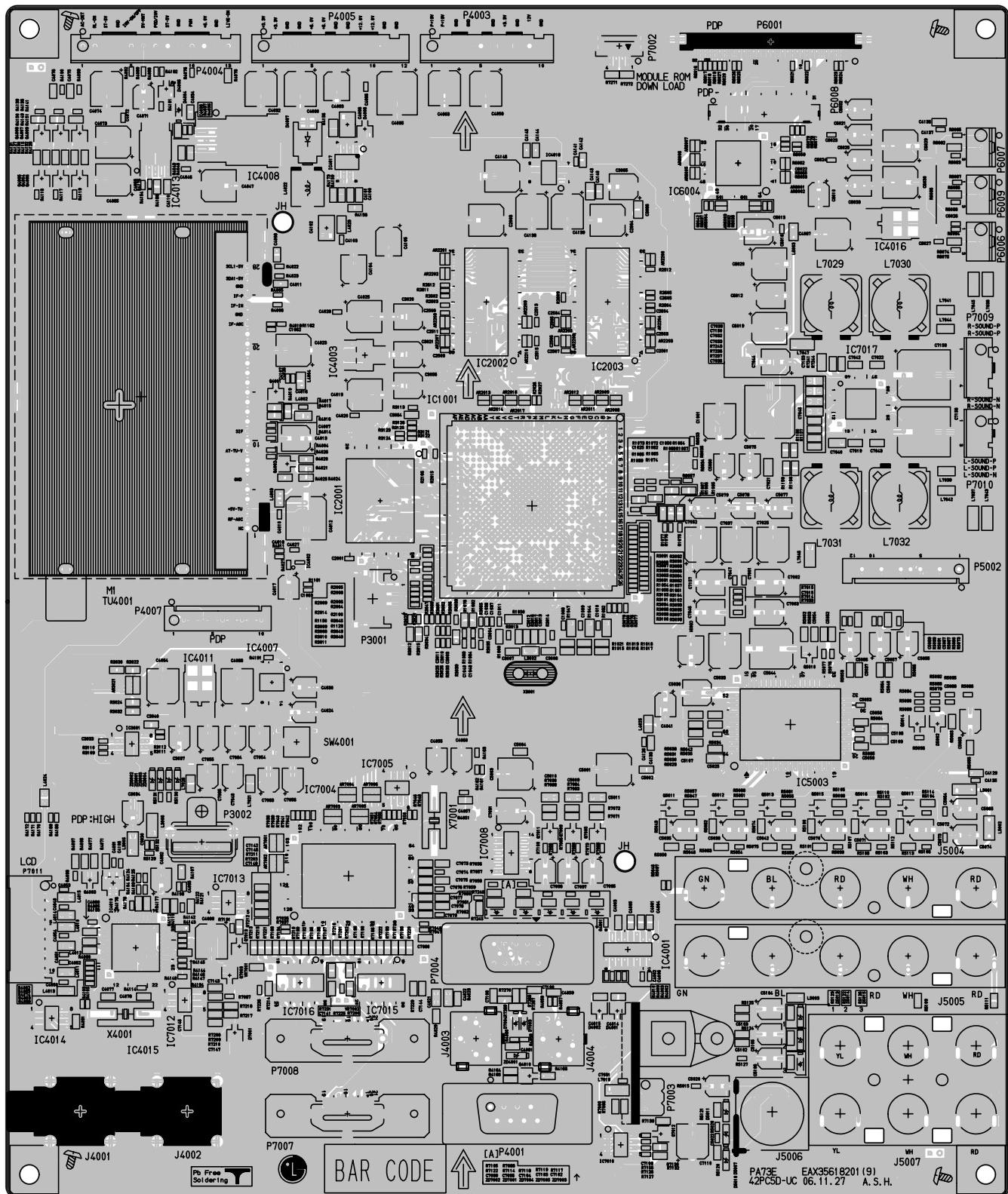
TROUBLESHOOTING GUIDE

HDMI doesn't display



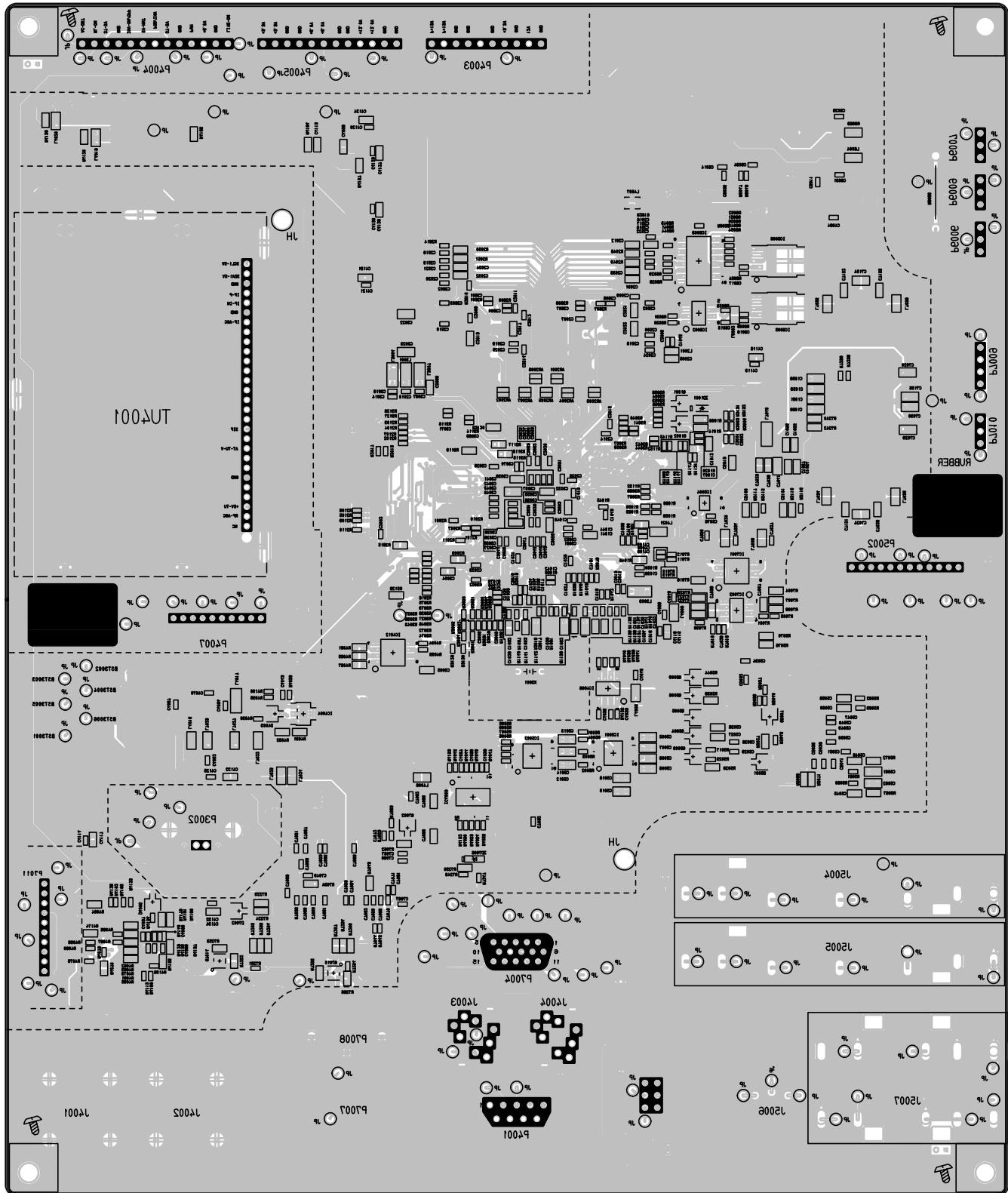
PRINTED CIRCUIT BOARDS

MAIN(TOP)



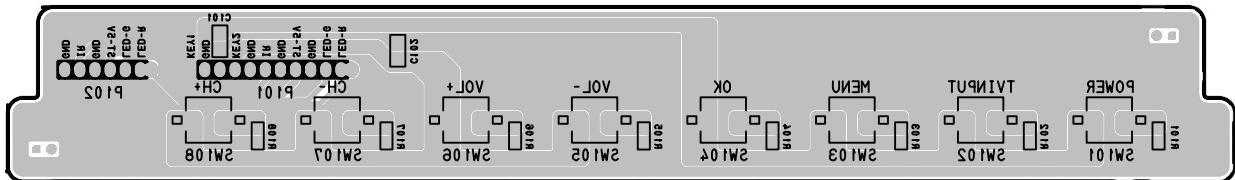
PRINTED CIRCUIT BOARDS

MAIN(BOTTOM)

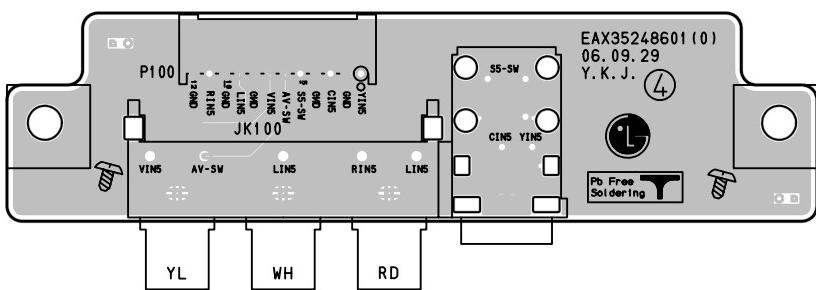


PRINTED CIRCUIT BOARDS

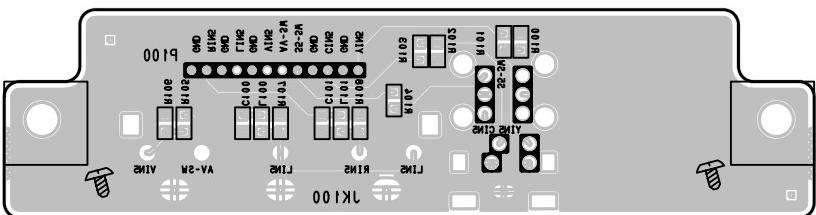
CONTROL



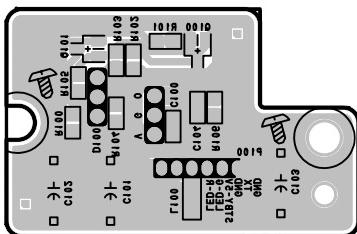
SIDE A/V(TOP)



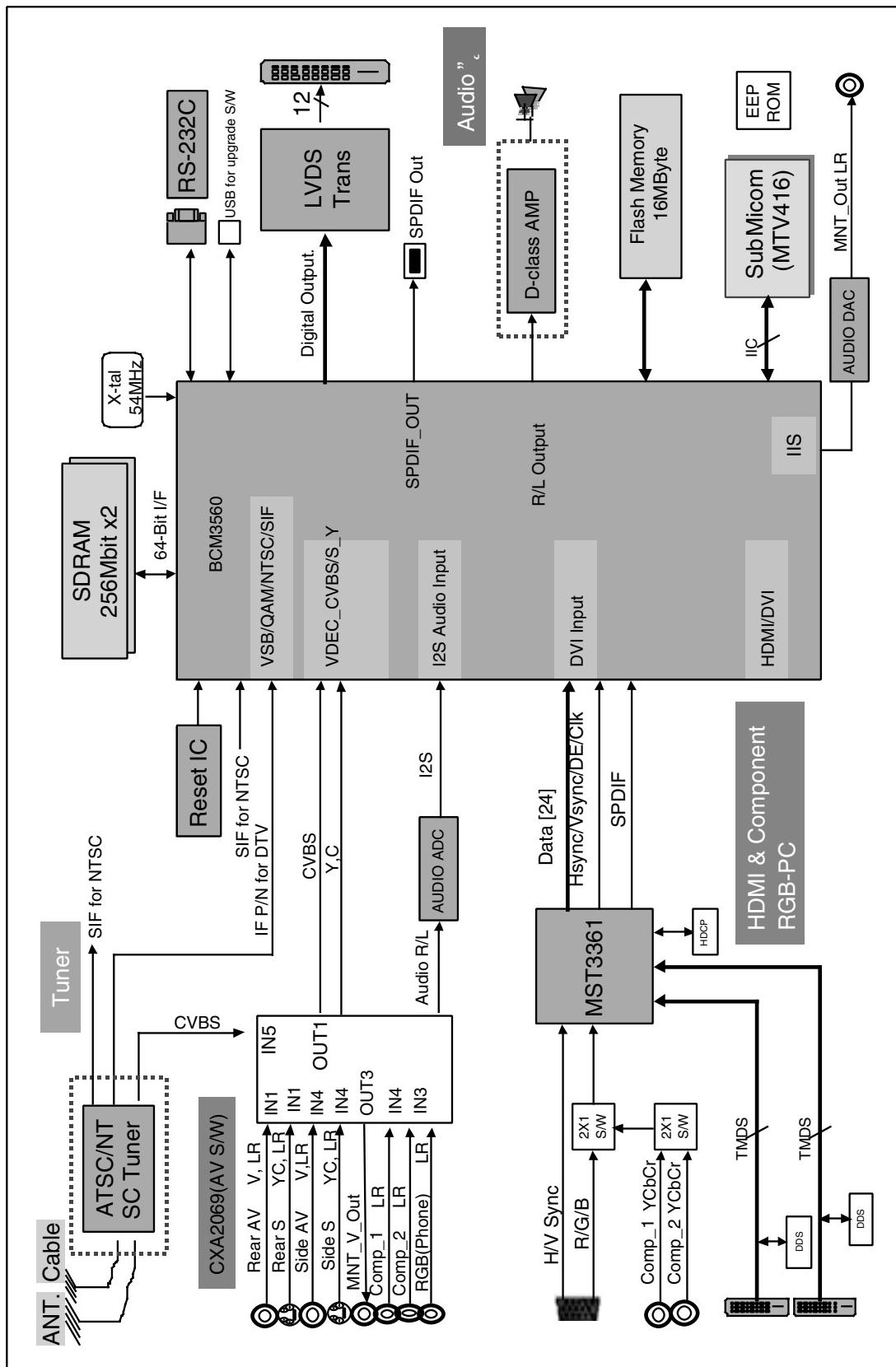
SIDE A/V(BOTTOM)



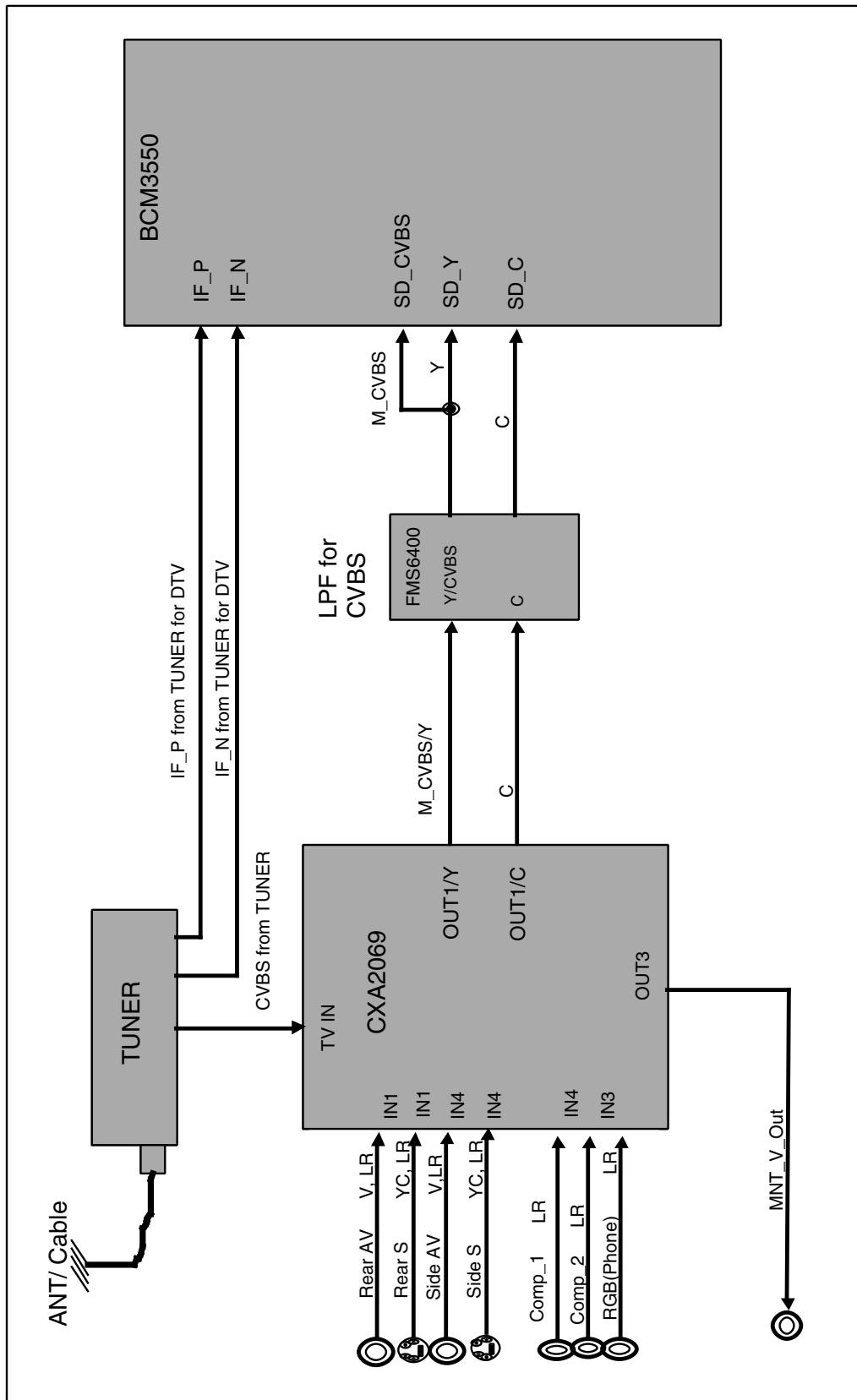
PRE-AMP



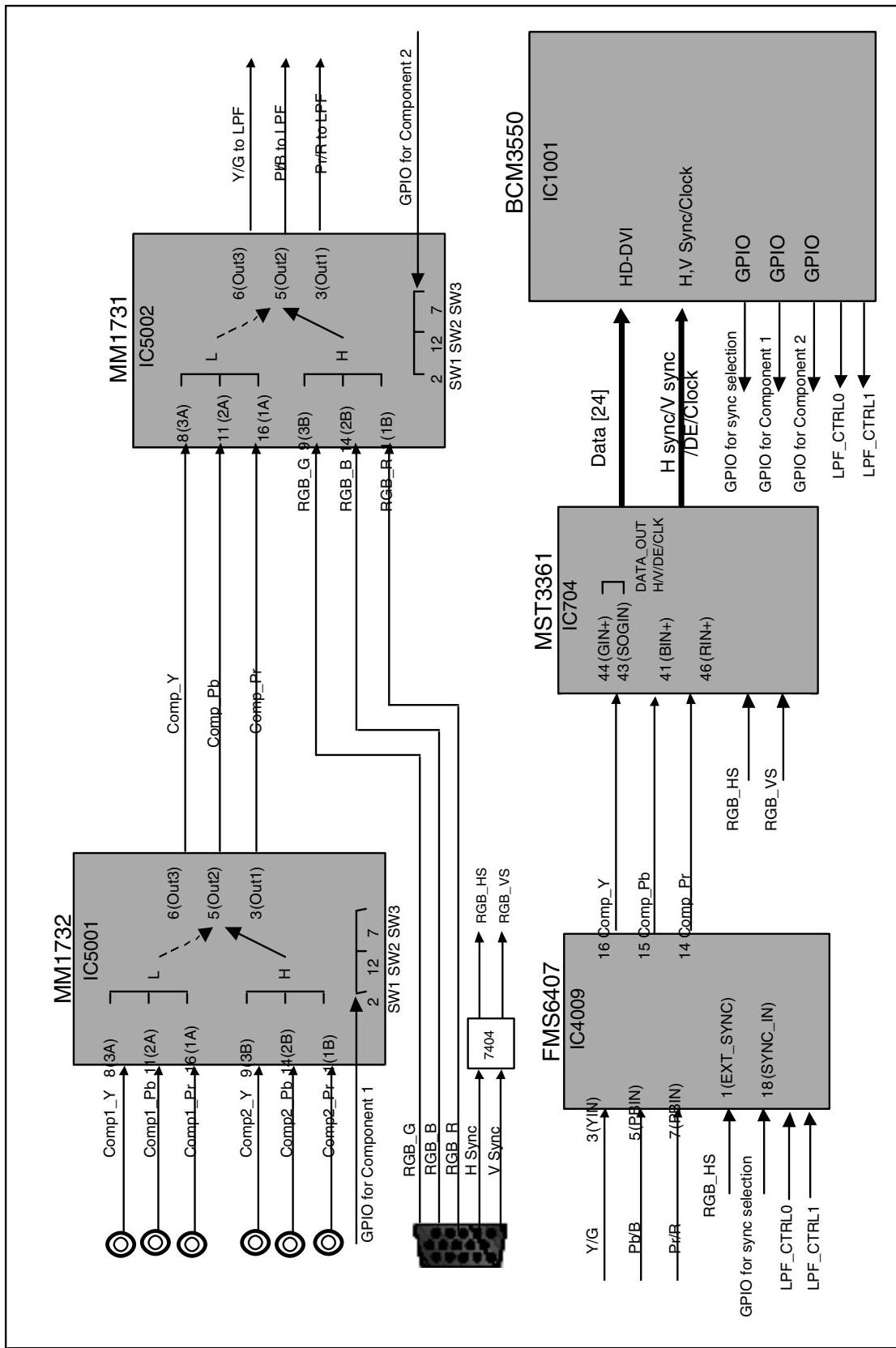
BLOCK DIAGRAM



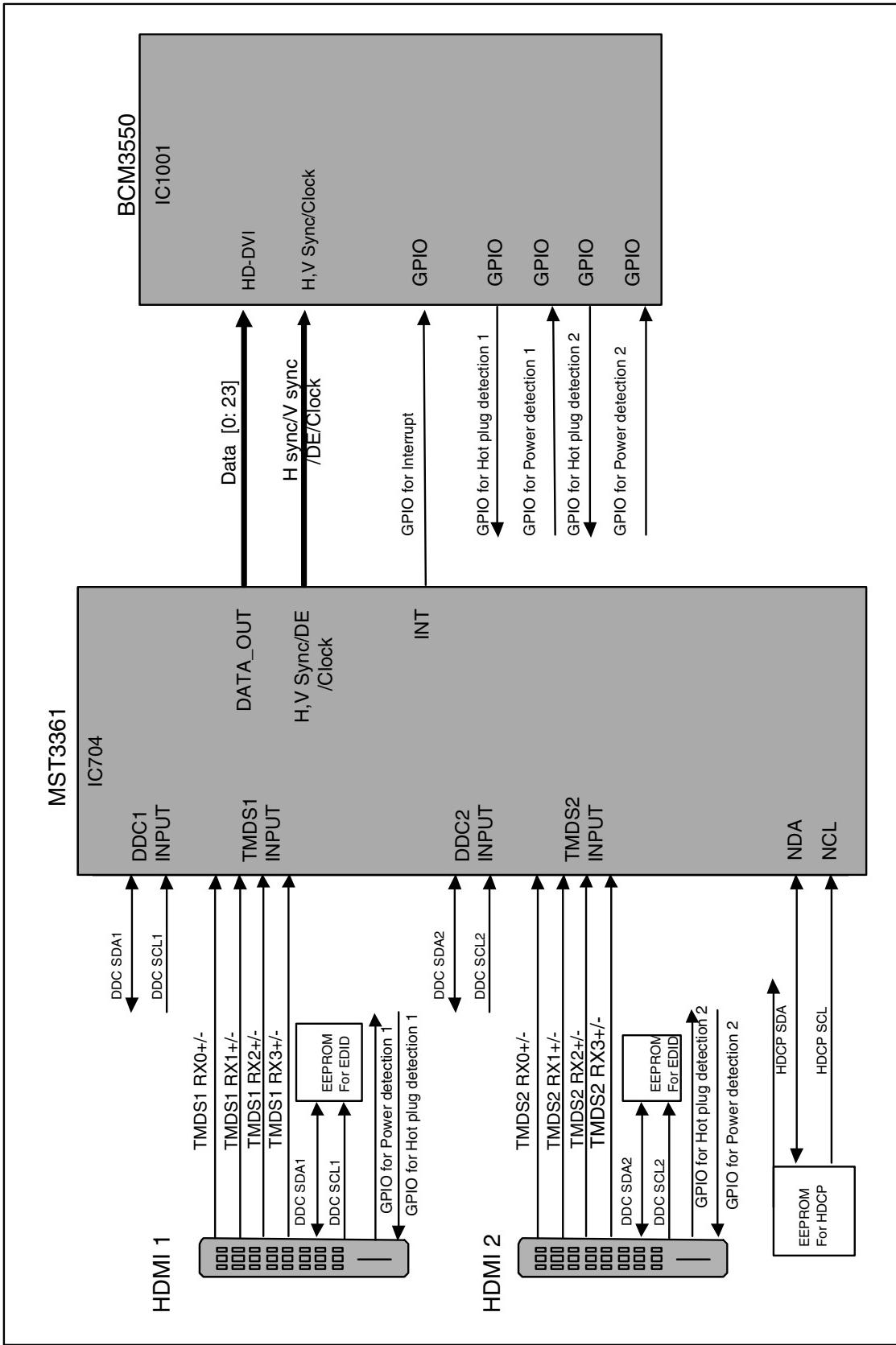
BLOCK DIAGRAM



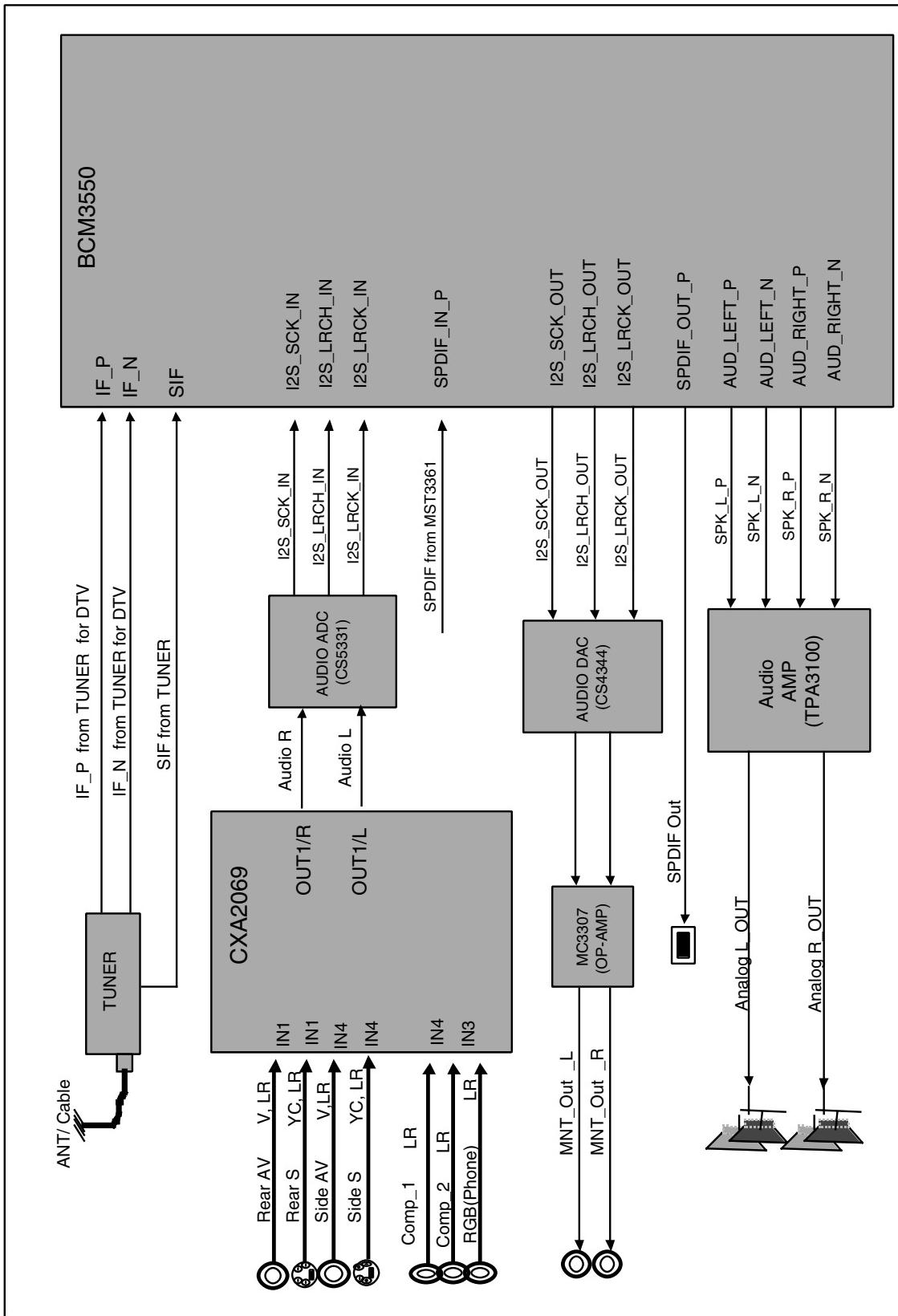
BLOCK DIAGRAM



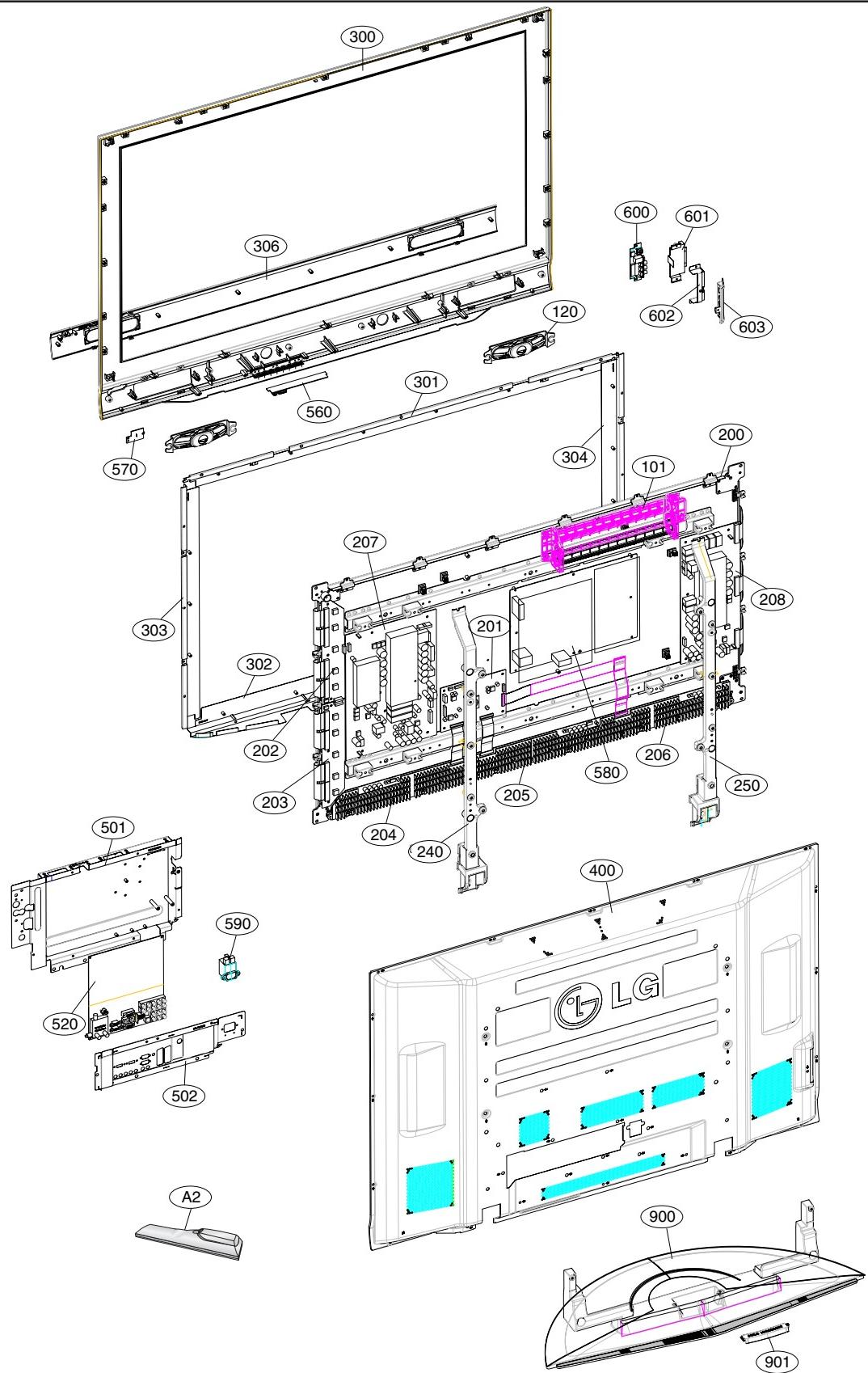
BLOCK DIAGRAM



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900904001A	Fan Module,1.7KRPM DC 12V 250UA 3W 50HZ 1.5M3
120	EAB33775101	Speaker,Full Range EN1562C-6712 ND 10W 8OHM 82DB 100HZ
△ 200	EAJ36482901	PDP,Module-XGA PDP50X40101.ADLGB XGA 50INCH 1365X768 16/9 PDP DIVISION
	EAJ37050401	PDP,Module-XGA PDP50X40501.ADLGB XGA 50INCH 1365X768 16/9 PDP DIVISION
201	6871QCH083A	PCB Assembly,CTRL Board CTRL ASS'Y 50 CTRL PDP DIVISION
202	6871QDH115A	PCB Assembly,Y DRIVE TOP YDRV ASS'Y 50 X4 PDP DIVISION
203	6871QDH116A	PCB Assembly,Y DRIVE BOTTOM YDRV ASS'Y 50 X4 YDRV BTM PDP DIVISION
204	6871QLH063A	PCB Assembly,X_LEFT BOARD XRLT ASS'Y 50 X4 PDP DIVISION
205	6871QXH034A	PCB Assembly,X_CENTER BOARD XRCT ASS'Y 50 X4 PDP DIVISION
206	6871QRH073A	PCB Assembly,X_RIGHT BOARD XRRT ASS'Y 50 X4 PDP DIVISION
207	6871QYH061A	PCB Assembly,Y_SUS BOARD YSUS ASS'Y 50 X4 2 LAYER PDP DIVISION
208	6871QZH065A	PCB Assembly,Z_SUS BOARD ZSUS ASS'Y 50 X4 2 LAYER PDP DIVISION
240	AJJ31591603	Supporter Assembly,50PC5 SUPPORTER VERTICAL RIGHT FOR SKD
250	AJJ31591604	Supporter Assembly,50PC5 SUPPORTER VERTICAL LEFT FOR SKD
△ 300	ABJ31591213	Cabinet Assembly,50PC5D-UC NON 50 CABINET ASSY WithOut Bracket assy FOR SKD
301	AJJ31592502	Supporter Assembly,50PC5 SUPPORTER TOP ASSY FOR SKD
302	AJJ31592602	Supporter Assembly,50PC5 SUPPORTER BOTTOM ASSY FOR SKD
303	AJJ31592702	Supporter Assembly,50PC5 SUPPORTER RIGHT ASSY FOR SKD
304	AJJ31592802	Supporter Assembly,50PC5 SUPPORTER LEFT ASSY FOR SKD
306	ABA31593004	Bracket Assembly,DECO 50PC5 NON DECO BRACKET ASSY(Film Sheet) FOR SKD
△ 400	ACQ31591304	Cover Assembly,50PC5R-ZB NON 50 PCM SECD 0.5t FOR SKD
501	AGU31681112	Plate Assembly,PLATE TUNER BOT SMALL, 42PC5_PACIFIC(BCM,D2A) FOR CKD
	AGU31681102	Plate Assembly,PLATE TUNER BOT SMALL, PACIFIC2/BCM/D2A
502	AGU31680918	Plate Assembly,42PC5D-UC CKD
	AGU31680903	Plate Assembly,PLATE TUNER COVER SMALL, D2A/BCM/PACIFIC
520	EBR36496502	PCB Assembly,Main PA73E 50PC5D-UC KUSLLMR 50PC5D-UC CKD Broadcom Model
	EBR36496501	PCB Assembly,Main PA73E 50PC5D-UC SUSLLJR 50PC5D-UC SKD Broadcom Model
	EBR36496504	PCB Assembly,Main PA73E 50PC5D-UC KUSPLMR X-Power CKD Broadcom Model
	EBR36496505	PCB Assembly,Main PA73E 50PC5DC-UC SUSLLJR SKD Broadcom Commercial Model
560	EBR35526202	PCB Assembly,Sub PA63E 50PC5D-UE KUSLLMR CKD 50PC5D-UE (Broadcom) Local Key
	EBR35526203	PCB Assembly,Sub PA63E 50PC5D-UE SUSLLJR SKD Local Key Assy
570	EBR35526302	PCB Assembly,Sub PA63E 50PC5D-UE KUSLLMR CKD (Broadcom) PreAmp + Power LED
	EBR35526303	PCB Assembly,Sub PA63E 50PC5D-UE SUSLLJR SKD (Broadcom) PreAmp + Power LED
△ 580	6709V00001A	SMPS,AC/DC 1H259WI 100VTO240V 480W 50TO60HZ UL - SANKEN ELECTRIC CO
	EAY32957901	SMPS,AC/DC YPSU-J017A 100VTO240V 530W 50 TO 60HZ XPOWER LGIT PSU
590	EAM35012703	Filter,AC Line IF2-N06CEWL2 5.3mH 250VAC 6A 0.22uF 1000pF
600	EBR35255004	PCB Assembly,Sub PA73E 50PC5D-UC KUSLLMR SIDE A/V
	EBR35255005	PCB Assembly,Sub PA73E 50PC5D-UC SUSLLJR SIDE A/V
601	MJH32554901	Supporter,PRESS SBHG 1 GUIDE EGI 42PC5, SUPP. SIDE AV
602	MGJ32369301	Plate,Shield PRESS SPTE 0.3 SHIELD SPTE 42PC5, SHIELD CASE SIDE AV
603	ABA31583302	Bracket Assembly,SIDE AV 42PC5D-ZN AB EUROPASS
△ 900	AAN31593103	Base Assembly,STAND 50PC5 NON 50PC5 FIX STAND FOR PLASMA DISPLAY PANEL
901	MCK32604801	Cover,MOLD ABS 42PC5 ABS CABLE MANAGEMENT
A2	AKB32559904	Remote Controller Assembly,PACIFIC 2(BCM) CHASSIS REMOCON

REPLACEMENT PARTS LIST

RUN DATE : 2007.5.2

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION			
IC								
IC1001	0IPRP00702A	BCM3550KPB5G 1.14VTO1.26V,3.1	Q4005	OTRIY80001A	2SC3052 NPN 6V 50V			
IC2002	0IMMRIH038B	HYB25D(C)256160CE-5 256MBIT 4	Q4006	OTRIY80001A	2SC3052 NPN 6V 50V			
IC2003	0IMMRIH038B	HYB25D(C)256160CE-5 256MBIT 4	Q4007	OTRIY80001A	2SC3052 NPN 6V 50V			
IC3001	EAN30267601	TPS2052BDRG4 2.7TO5.5 3MSEC 1	Q4008	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4001	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP R	Q4009	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4003	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V 0W	Q4010	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4004	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500M	Q5004	OTRIH80002A	2SA1530A-T112-1R PNP -6V			
IC4006	0IPRPFA015B	FMS6400CS1X,LF 4.75VTO5.25V,0	Q5005	OTRIH80002A	2SA1530A-T112-1R PNP -6V			
IC4007	0ISTLPH026A	74LVC14APW 1.2TO3.6V	Q5006	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4008	0IPMGS1006B	SC1566I5M25TRT 2.2V~5.5V 1.2V	Q5007	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4010	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500M	Q5009	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4011	0IMCRRH001A	BA033FP-E2 4.3TO25V 3.3V 1W T	Q5010	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4012	0IMCRAL021A	AT24C512W-10SU-2.7 512KBIT 65	Q5011	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4013	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK R	Q5012	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4014	0IMCRAL006A	AT24C16AN-10SU-2.7 16KBIT 2KX	Q5013	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4016	EAN32662801	KA7809ERTM 35V to 40V 9V 1W D	Q5014	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4017	EAN31513601	SC4519STRT 2.6V to 16V 0.8V	Q5015	OTRIY80001A	2SC3052 NPN 6V 50V			
IC4018	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R	Q5016	OTRIY80001A	2SC3052 NPN 6V 50V			
IC5001	EAN30744301	MM1732XVBE 4.5TO9.5 50NSEC 50	Q5017	OTRIY80001A	2SC3052 NPN 6V 50V			
IC5002	EAN30744401	MM1731XVBE 4.0TO9.5 50NSEC 50	Q7002	OTR102009AJ	KRC102S NPN 30V 0V 50V 100MA			
IC5003	0ISO206900A	CXA2069Q 8.5TO9.5V - - 1.3W Q	"	OTRIH80003A	RT1N141C-T112-1 *50PC5DC			
IC5004	0IPRPCI016A	CS4344-CZZR 4.75TO5.25V 3TO3.	Q7003	OTRIH80003A	RT1N141C-T112-1			
IC6003	0IMI623200B	M62320FP(SOP) 4.5TO5.5V 0.05m	Q7005	OTRIY80001A	2SC3052 NPN 6V 50V			
IC6004	0IMCRTH002A	THC63LVD103 3VTO3.6V 1W TQFP	Q7009	OTRIY80001A	2SC3052 NPN 6V 50V			
IC6005	0IPMGKE032A	KIA78R09F 10TO25V 9V 8W DPAK	Q7011	OTRIY80001A	2SC3052 NPN 6V 50V			
IC6006	0IPMGKE032A	KIA78R09F 10TO25V 9V 8W DPAK	Q7012	OTRIH80003A	RT1N141C-T112-1			
IC7001	0ICB533100A	CS5331A-KSR 4.75TO5.25V 48KHZ	Q7013	OTRIH80003A	RT1N141C-T112-1			
IC7002	0ISTL00029A	MC33078DR2G +-5TO+-18V 2mV 0.	Q7014	OTR830009BA	FET,BSS83 N-CHANNEL MOSFET 10V -			
IC7004	0IPRP00696A	MST3361M-LF-110 3.3V_2.5V 0HZ	Q7015	OTR830009BA	FET,BSS83 N-CHANNEL MOSFET 10V -			
IC7005	0IMMRCS012B	CAT24WC08W-T(MST3000) 8KBIT 1	DIODE					
IC7008	0IPH740800H	74F08D 4.5TO5.5V 12.9mA AND G	D100	ODL200000CA	LED,DIP SAM5670(DL-2LRG)			
IC7010	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x	D4001	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V			
IC7012	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x	D4002	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V			
IC7013	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x	D4003	0DSIH00028A	MC2838-T112-1 1.2V 75V			
IC7015	0IPRP00623A	CM2021-00TR 1VTO5.5V,0VTO0V,0	D4005	0DSIH00028A	MC2838-T112-1 1.2V 75V			
IC7016	0IPRP00623A	CM2021-00TR 1VTO5.5V,0VTO0V,0	D4006	0DL233309AC	LED,Chip SAM2333			
IC7017	0IPRP00700A	TPA3100D2PHPR 10TO26V . 20W	D4007	0DR340009AA	MBRS340 525MV 40V 4A 0SEC OF 0			
TRANSISTOR								
Q100	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V	D4008	0DSIH00018A	ENKMC2837-T112 1.2V 85V			
Q1001	0TRIY80001A	2SC3052 NPN 6V 50V	D5001	0DSIH00028A	MC2838-T112-1 1.2V 75V			
Q1002	0TRIY80001A	2SC3052 NPN 6V 50V	D5002	0DSIH00028A	MC2838-T112-1 1.2V 75V			
Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V	D5015	0DZRM00178A	Zener,UDZS5.1B 5.1V 4.98TO5.2V 80OHM			
Q4001	0TRIH80002A	2SA1530A-T112-1R	D7001	0DSIH00028A	MC2838-T112-1 1.2V 75V			
Q4003	0TRIY80001A	2SC3052 NPN 6V 50V	D7002	0DSIH00028A	MC2838-T112-1 1.2V 75V			
Q4004	0TRIY80001A	2SC3052 NPN 6V 50V	D7003	0DZRM00218A	Zener,UDZS8.2B 8.2V 8.02TO8.36V 30OH			
			D7004	0DZRM00218A	Zener,UDZS8.2B 8.2V 8.02TO8.36V 30OH			
			ZD1001	0DZDI00078A	Zener,BZT52C3V3S-F 3.3V 3.1TO3.5V 95			

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
CAPACITOR					
C100	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V	C1058	0CH2122K516	0805B122K500CT 1.2nF 10% 50V
C100	0CH5331K416	0805N331J500LT 330pF 5% 50V C	C1059	0CH2122K516	0805B122K500CT 1.2nF 10% 50V
C1001	OCE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16	C1060	0CH2122K516	0805B122K500CT 1.2nF 10% 50V
C1007	OCK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C1061	0CH2122K516	0805B122K500CT 1.2nF 10% 50V
C1008	OCK104BF56A	C1005X7R104KET 100nF 10% 16V	C1062	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1009	OCK104BF56A	C1005X7R104KET 100nF 10% 16V	C1063	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C101	OCE4763F618	ESF476M016T1A5E05G 47uF 20% 1	C1064	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C101	0CH5331K416	0805N331J500LT 330pF 5% 50V C	C1065	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8
C1010	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2001	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1011	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2002	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1012	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X	C2003	OCE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16
C1016	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C2004	OCE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16
C1017	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2005	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8
C1018	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2006	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1019	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2007	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C102	OCE4763F618	ESF476M016T1A5E05G 47uF 20% 1	C2008	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1020	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2009	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1021	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2010	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1022	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2011	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1024	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2012	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V
C1025	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C2013	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V
C1027	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2014	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1028	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C2015	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1029	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2016	0CK272CK46A	0603B272J500CT 2.7nF 10% 50V
C103	OCE4763F618	ESF476M016T1A5E05G 47uF 20% 1	C2017	0CK272CK46A	0603B272J500CT 2.7nF 10% 50V
C1030	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2018	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C1032	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2019	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C1033	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2020	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C1034	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C2021	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V
C1036	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C2022	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V
C1037	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C2023	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1038	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C2024	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C1039	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2025	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C104	OCH6330K416	C2012C0G1H330JT 33p 5% 50V C0	C2026	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C1040	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2500	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1041	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C2501	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1042	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2502	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1043	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2503	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1044	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2504	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1045	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2505	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1046	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2506	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1050	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C2507	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1051	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2508	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1052	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2509	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1053	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C2510	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1054	0CK103CK56A	0603B103K500CT 10nF 10% 50V X	C2511	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1055	0CK103CK56A	0603B103K500CT 10nF 10% 50V X	C2512	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1056	0CK103CK56A	0603B103K500CT 10nF 10% 50V X	C2513	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C1057	0CK103CK56A	0603B103K500CT 10nF 10% 50V X	C2514	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
			C2515	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
			C2516	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C2517	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3046	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C2518	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3047	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C2519	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3048	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C2520	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3049	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C2521	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3050	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C2522	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3051	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C2600	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3052	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C2601	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3053	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8
C2602	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3054	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8
C2603	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3055	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C2604	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3056	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V
C2605	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3057	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V
C2606	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3058	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8
C2607	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C3059	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C3005	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C3060	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C3007	0CC080CK11A	C1608C0G1H080DT 8pF 0.5PF 50V	C3061	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3008	0CC080CK11A	C1608C0G1H080DT 8pF 0.5PF 50V	C3062	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C3012	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C	C3063	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C3013	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C	C3064	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C
C3014	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C3065	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V
C3015	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C3066	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V
C3016	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C3067	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3017	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C3068	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8
C3018	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4001	0CK334CF56A	C1608X7R1C334KT 330nF 10% 16V
C3019	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4002	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3020	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V	C4003	0CK334CF56A	C1608X7R1C334KT 330nF 10% 16V
C3021	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V	C4004	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V
C3022	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V	C4005	0CK334CF56A	C1608X7R1C334KT 330nF 10% 16V
C3023	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V	C4006	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3024	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4007	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C3025	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7	C4008	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C
C3026	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4010	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3027	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C4011	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C
C3028	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4012	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16
C3029	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4014	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V
C3030	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4015	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V
C3031	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7	C4016	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C3032	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C4019	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C3033	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4020	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3034	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C4021	0CH2474F566	0805B474K160CT 470nF 10% 16V
C3035	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4022	0CH2474F566	0805B474K160CT 470nF 10% 16V
C3036	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4023	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16
C3037	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C4024	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C3038	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7	C4025	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C3039	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8	C4026	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3040	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X	C4028	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3041	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4030	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C3042	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4032	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16
C3043	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7	C4033	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C3044	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4034	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X
C3045	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C4035	0CK104BF56A	C1005X7R104KET 100nF 10% 16V

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C4040	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4106	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4041	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C4107	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C4043	0CK104BF56A	100nF 10% 16V	C4108	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C4046	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4109	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+8
C4047	EAE30840201	4SVPC330M 330uF 20% 4V 2.32A	C4114	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4048	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4115	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4049	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4116	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4050	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4117	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4051	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4118	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4052	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4119	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4053	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4120	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4054	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4121	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4056	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4122	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4058	EAE30840201	4SVPC330M 330uF 20% 4V 2.32A	C4123	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4062	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4124	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4063	EAE30840401	25SVPD10M 10uF 20% 25V 1.5A -	C4125	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4064	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V	C4126	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4065	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V	C4127	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4066	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4128	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4067	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4129	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4068	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V	C4130	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4070	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4131	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4071	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.	C4132	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4072	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4133	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4073	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V	C4134	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4074	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16	C4135	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4077	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C	C4136	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C4078	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C	C4137	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4080	EAE30840201	4SVPC330M 330uF 20% 4V 2.32A	C4138	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16
C4082	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V	C4139	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16
C4083	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A	C4140	0CK103CK56A	0603B103K500CT 10nF 10% 50V X
C4084	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4141	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C4085	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16	C4142	0CK103CK56A	0603B103K500CT 10nF 10% 50V X
C4086	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4143	0CK225DD66A	LMK212JB225MG-T 2.2uF 20% 10V
C4087	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16	C4144	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X
C4088	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C4145	0CK103CK56A	0603B103K500CT 10nF 10% 50V X
C4089	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16	C4146	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16
C4090	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5001	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C4091	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5002	0CK103CK56A	0603B103K500CT 10nF 10% 50V X
C4094	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5003	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C4095	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5004	0CK103CK56A	0603B103K500CT 10nF 10% 50V X
C4096	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5005	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4097	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5006	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4098	0CN475FH67A	TMK325BJ475MN-T 4.7uF 20% 25V	C5007	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4099	0CK224CF56A	0603B224K160CT 220nF 10% 16V	C5008	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4100	0CK153CK51A	0603B153K500CT 15nF 10% 50V Y	C5009	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4101	0CC561CK41A	C1608C0G1H561JT 560pF 5% 50V	C5010	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4102	0CK476FD67A	LMK325BJ476MM-T 47uF 20% 10V	C5011	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4103	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5012	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4104	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V	C5013	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C4105	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V	C5014	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C5015	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C5074	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V
C5016	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C5075	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V
C5019	0CK103CK56A	0603B103K500CT 10nF 10% 50V X	C5076	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5020	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50	C5077	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50
C5022	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5078	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50
C5025	0CH2474F566	0805B474K160CT 470nF 10% 16V	C5079	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V
C5026	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V	C5080	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50
C5027	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V	C5102	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C5028	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5103	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V
C5029	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5104	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.
C5030	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16V	C5105	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.
C5031	0CH8226F691	MVK5.0TP16VC22M 22uF 20% 16V	C5106	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50
C5032	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C5107	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5033	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25V	C5108	0CH2474F566	0805B474K160CT 470nF 10% 16V
C5034	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C5109	0CH2474F566	0805B474K160CT 470nF 10% 16V
C5035	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C6010	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C5036	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6011	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5037	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V	C6012	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C5038	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C6013	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C5039	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6014	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5040	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V	C6015	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5041	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6016	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5042	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C6017	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5044	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16	C6018	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5045	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V	C6019	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C5046	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V	C6020	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C5047	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6021	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C5048	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6022	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5049	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6023	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7
C5050	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6024	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5051	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6025	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C5052	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V	C6026	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5053	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C6027	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5054	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V	C6028	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5055	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50	C6029	0CE476WH6DC	MVK8.0TP25VC47M 47uF 20% 25V
C5056	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V	C6030	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V
C5057	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.	C6031	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5058	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V	C6032	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C5059	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V	C6033	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C5060	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V	C6034	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5061	0CH2474F566	0805B474K160CT 470nF 10% 16V	C6035	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5062	0CH2474F566	0805B474K160CT 470nF 10% 16V	C7001	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V
C5063	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50	C7002	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C5064	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7003	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V
C5065	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C7007	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C
C5066	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.	C7015	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C5068	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7019	0CK224CF56A	0603B224K160CT 220nF 10% 16V
C5070	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C7020	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C5071	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C7021	0CK225DH94A	CL21F225ZBFNNNE 2.2uF -20TO+8
C5072	0CH8106F691	MVK4.0TP16VC10M 10uF 20% 16V	C7022	0CK224CF56A	0603B224K160CT 220nF 10% 16V
C5073	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7023	0CK104CK56A	0603B104K500CT 100nF 10% 50V

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C7024	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V	C7075	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V
C7025	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16	C7076	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V
C7026	0CK104CK56A	0603B104K500CT 100nF 10% 50V	C7077	0CK153CK56A	0603B153K500CT 15nF 10% 50V X
C7027	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7078	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V
C7028	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7079	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V
C7029	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C7080	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C
C7030	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C7081	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7031	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7082	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7032	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C7083	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7033	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C7084	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C7034	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7085	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7035	0CK103CK56A	0603B103K500CT 10nF 10% 50V X	C7086	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7036	0CK103CK56A	0603B103K500CT 10nF 10% 50V X	C7087	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7037	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16	C7088	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C
C7038	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C	C7089	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C
C7039	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C7090	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7040	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7	C7091	0CE226WFKDC	MVK5.0TP16VC22M 22uF 20% 16V
C7041	0CK225DH94A	CL21F225ZBFNNNE 2.2uF -20TO+8	C7092	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7042	0CK224CF56A	0603B224K160CT 220nF 10% 16V	C7095	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C7043	0CK224CF56A	0603B224K160CT 220nF 10% 16V	C7096	0CH5220K416	0805N220J500LT 22pF 5% 50V C0
C7044	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V	C7097	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C7045	0CE107WK6DC	MVK10TP50VC100M 100uF 20% 50V	C7098	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V
C7046	0CE226WFKDC	MVK5.0TP16VC22M 22uF 20% 16V	C7099	0CH5220K416	0805N220J500LT 22pF 5% 50V C0
C7047	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V	C7100	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C
C7048	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V	C7108	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C
C7049	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7109	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7050	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7110	0CE476WFKDC	MVK6.3TP16VC47M 47uF 20% 16V
C7051	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7141	0CK103CK56A	0603B103K500CT 10nF 10% 50V X
C7052	0CE476WFKDC	MVK6.3TP16VC47M 47uF 20% 16V	C7142	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C7053	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7143	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C7054	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V	C7144	0CK103CK56A	0603B103K500CT 10nF 10% 50V X
C7055	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V	C7150	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C7056	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V	C7151	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C7057	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7152	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C7058	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7153	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C7059	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7154	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V
C7060	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7155	0CK104CK56A	0603B104K500CT 100nF 10% 50V
C7061	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7156	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7
C7062	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7157	0CE226WFKDC	MVK5.0TP16VC22M 22uF 20% 16V
C7063	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V	C7158	0CE227WFKDC	MVK10TP35VC22M 220uF 20% 35V
C7064	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7159	0CE227WFKDC	MVK10TP35VC22M 220uF 20% 35V
C7065	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V	C7160	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7066	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C7161	0CK104BF56A	C1005X7R104KET 100nF 10% 16V
C7067	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	CONNECTOR & WAFER		
C7068	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C1	6631900010N	Harness,Single 12P 2.0MM
C7069	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C10	6631V39016E	Harness,Single 3.96MM 10P
C7070	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C11	68509A0004E	Cable,Assembly RCA JACK
C7071	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C12	EAD32253001	Harness,Single 60 INCH POWER(7P-13P)
C7072	0CK104BF56A	C1005X7R104KET 100nF 10% 16V	C13	EAD32255201	Harness,Single 60INCH POWER 10P
C7073	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V	C14	EAD32255601	Harness,Single 60INCH POWER 12P
C7074	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V			

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C15	EAD35682502	Harness,Single LVDS PDP STANDARD	J5005	6612J10031A	Jack,RCA PPJ209-02 14.0MM
C16	6631900012E	Harness,Single 2.50MM 10P	J5006	6612F00024C	Jack,DIN PSJ014-01 SOCKET 4P
C17	6631900027E	Harness,Single 2.50MM 13P	J5007	6612J10006K	Jack,RCA PPJ150-08 14.0MM
C18	6631900065C	Harness,Single 2.50MM 12P	JK100	6612J10033A	Jack,Complex PMJ016-13 13P
C2	6631900011H	Harness,Single 2.00MM 6P	JK100	EAG32151101	Jack,Fiber Optic TOX177L(F,T) 3P
C3	6631900018H	Harness,Single 3P SPK LEFT	P7007	6612B00015C	Jack,DIN DC1R019WDH SOCKET 21P
C4	6631900099C	Harness,Single 2.50MM 3P	P7008	6612B00015C	Jack,DIN DC1R019WDH SOCKET 21P
C5	6631900100D	Harness,Single 2.50MM 4P	RESISTOR		
C6	6631T20037L	Harness,Single 2.00MM 10P	AR2001	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
C7	6631T25023X	Harness,Single 2.50MM 4P	AR2002	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
C8	6631V12031G	Harness,Single 1.25MM 4P	AR2003	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
C9	6631V39015F	Harness,Single 3.96MM 4P	AR2004	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P100	6602T20009L	Connector,Wafer SMAW200-12P	AR2005	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P100	6630V90142A	Connector,Wafer 6P 2.54MM	AR2006	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P100	6602T20009E	Connector,Wafer SMAW200-06P	AR2007	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P101	6602T20009J	Connector,Wafer SMAW200-10P	AR2008	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P102	6602T20009E	Connector,Wafer SMAW200-06P	AR2009	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P3002	EAG31022001	Connector,USB UB01123-4HHS-4F	AR2011	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P4001	6630G70017A	Connector,DSUB 9P 2.77MM	AR2012	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P4003	6602T25008J	Connector,Wafer SMW250-10P	AR2013	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P4004	6602T25008M	Connector,Wafer SMW250-13P	AR2014	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P4005	6602T25008L	Connector,Wafer SMW250-12P	AR2016	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P4007	6602T20008J	Connector,Wafer SMW200-10P	AR2017	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
P5002	6602T20008L	Connector,Wafer SMW200-12P	AR2200	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
P6001	6630V90116A	Connector,Wafer FI-X30SSL-HF 30P	AR2201	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
P6007	366-932B	Connector,Wafer 3P 2.50MM	AR2202	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
P7004	6630G70016A	Connector,DSUB 15P 2.29MM	AR2203	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
P7009	6602T25008C	Connector,Wafer SMW250-04P	AR2204	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
P7010	6602T25008B	Connector,Wafer SMW250-03P	AR2205	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
INDUCTOR			AR2206	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
L100	OLC1032101A	Inductor,FI-C3216-103KJT 10UH 10% -	AR2207	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
L100	OLC0233002A	Inductor,FI-B2012-332KJT 3.3UH 10%	AR2208	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
L101	OLC0233002A	Inductor,FI-B2012-332KJT 3.3UH 10%	AR2209	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
L3002	EAP37991401	Inductor,1008LS-272XJLC 2.7UH 5%	AR2210	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4
L4002	OLC2000005J	Inductor,6.8UH 10%	AR3021	0RJ1001C687	RCA86TRJ1K00 1KOHM 5% 1/16W 4 S
L4019	OLC2000005K	Inductor,FI-D2012-223KJT(CE) 22UH 1	AR6001	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
L4020	OLC2000005K	Inductor,FI-D2012-223KJT(CE) 22UH 1	AR6002	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
L4022	6140TBZ047B	Inductor,RLF7030T-3R3M4R1 3.3UH 20%	AR6003	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
L7008	OLC2000005J	Inductor,6.8UH 10%	AR6004	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
L7020	OLC2000005J	Inductor,6.8UH 10%	AR6005	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
L7029	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%	AR6006	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
L7030	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%	AR6007	0RJ0222C692	MNR04 M0APJ 220 220OHM 5% 1/16W
L7031	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%	R100	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
L7032	6140VR0008A	Inductor,SLF12575T-330M3R2 33UH 20%	R1006	0RJ2000D477	MCR03EZPF201 200OHM 1% 1/10W 16
JACK			R1008	0RJ102D677	MCR03EZPJ100 10OHM 5% 1/10W 160
J4002	6612J10024A	Jack,Complex KCN-BT-0-0056 4P	R101	0RH1201D622	MCR10EZHJ122 1.2KOHM 5% 1/8W 20
	6612F00099A	Jack,Phone PEJ024-01 1P 4P	R101	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012
	6612F00099A	Jack,Phone PEJ024-01 1P 4P	R1014	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 16
	6612J10031A	Jack,RCA PPJ209-02 14.0MM	R1015	0RJ0182D677	MCR03EZPJ180 18OHM 5% 1/10W 160

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R1016	ORJ0182D677	MCR03EZPJ180 180OHM 5% 1/10W 160	R1068	ORJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R1017	ORJ0182D677	MCR03EZPJ180 180OHM 5% 1/10W 160	R107	ORH2002D622	MCR10EZHJ203 20KOHM 5% 1/8W 201
R1018	ORJ0562D477	MCR03EZPF560 560OHM 1% 1/10W 160	R1073	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1019	ORJ0562D477	MCR03EZPF560 560OHM 1% 1/10W 160	R1074	ORJ5600D677	MCR03EZPJ561 560OHM 5% 1/10W 16
R102	ORH3301D622	MCR10EZHJ332 3.3KOHM 5% 1/8W 20	R1079	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R102	ORH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 201	R108	ORH7501D622	MCR10EZHJ752 7.5KOHM 5% 1/8W 20
R1020	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1080	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1021	ORJ0562D477	MCR03EZPF560 560OHM 1% 1/10W 160	R1081	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R103	ORH2002D622	MCR10EZHJ203 20KOHM 5% 1/8W 201	R1083	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R103	ORH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012	R1084	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R103	ORH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012	R1085	ORJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R1030	ORH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20	R1086	ORJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R1032	ORH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20	R1087	ORJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R1034	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1088	ORJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1035	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1129	ORJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1036	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1131	ORJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1037	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1132	ORJ0752C678	MCR01MZPJ750 750OHM 5% 1/16W 100
R1038	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1133	ORH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20
R1039	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1134	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R104	ORH7501D622	MCR10EZHJ752 7.5KOHM 5% 1/8W 20	R1135	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R104	ORH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012	R1136	ORJ0392D677	MCR03EZPJ390 390OHM 5% 1/10W 160
R104	ORH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 201	R1137	ORJ0392D677	MCR03EZPJ390 390OHM 5% 1/10W 160
R1040	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1139	ORH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20
R1041	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1140	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1042	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1141	ORJ0392D677	MCR03EZPJ390 390OHM 5% 1/10W 160
R1044	ORH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20	R1142	ORH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20
R1045	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1144	ORJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1046	ORJ4990D477	MCR03EZPF4990 4990OHM 1% 1/10W 1	R1145	ORJ2701C678	MCR01MZPJ272 2.7KOHM 5% 1/16W 1
R1047	ORH1504D622	MCR10EZHJ155 1.5MOHM 5% 1/8W 20	R1157	ORJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1
R1048	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1158	ORJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1
R1049	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R1159	ORJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1
R105	ORH3301D622	MCR10EZHJ332 3.3KOHM 5% 1/8W 20	R1160	ORJ3601D677	MCR03EZPJ362 3.6KOHM 5% 1/10W 1
R105	ORH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012	R1161	ORJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R105	ORH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012	R1162	ORJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R1050	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2003	ORJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R1051	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2013	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1054	ORJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R2015	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1056	ORJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R2016	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1057	ORJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R2017	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1058	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2026	ORJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R1059	ORJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R2027	ORJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R106	ORH1201D622	MCR10EZHJ122 1.2KOHM 5% 1/8W 20	R2102	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R106	ORH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012	R2103	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1060	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2104	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1061	ORJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R2105	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1062	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2106	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1063	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2107	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1064	ORJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R2108	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1065	ORJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R2109	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1066	ORJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R2110	ORJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R1067	ORJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R2512	ORJ0682C678	MCR01MZPJ680 680OHM 5% 1/16W 100

REPLACEMENT PARTS LIST

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R3115	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4070	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R3116	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4071	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R3121	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4073	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 16
R3122	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4074	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R3123	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4075	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R3124	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4076	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R3125	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4077	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R3126	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4079	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R3127	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4080	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R3128	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4082	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R3130	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4083	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R3131	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4085	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 16
R4001	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R4086	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4002	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4087	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R4003	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4088	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4004	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4089	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4005	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R4090	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16
R4006	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R4091	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R4009	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4092	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4010	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4093	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R4015	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 16	R4094	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R4016	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R4096	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R4018	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4098	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4019	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R4099	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4022	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R4100	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4023	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R4101	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4026	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4102	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4028	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1	R4103	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R4029	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1	R4105	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R4030	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4106	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4032	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 16	R4108	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R4033	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4109	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4039	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4110	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 1
R4040	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4112	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1
R4041	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4113	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4048	0RJ4300D677	MCR03EZPJ431 430OHM 5% 1/10W 16	R4114	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4049	0RJ3650D477	MCR03EZPF3650 365OHM 1% 1/10W 1	R4115	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R4053	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4123	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4054	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4124	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4055	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4125	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4057	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4126	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4058	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4127	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R4059	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4128	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R4060	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R4129	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4061	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4130	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4062	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4131	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4065	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4132	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16
R4066	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R4134	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R4067	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16	R4135	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4068	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4136	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4069	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R4137	0RJ6802D677	MCR03EZPJ683 68KOHM 5% 1/10W 16

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R4139	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R5030	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 16
R4140	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R5031	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1
R4141	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R5034	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 16
R4143	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R5035	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 16
R4144	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R5036	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R4145	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R5037	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R4146	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 16	R5038	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 16
R4147	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R5039	0RJ1501D477	MCR03EZPF152 1.5KOHM 1% 1/10W 1
R4148	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R5040	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R4149	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R5042	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 16
R4150	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R5044	0RJ1501D477	MCR03EZPF152 1.5KOHM 1% 1/10W 1
R4151	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R5045	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4155	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R5046	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
R4156	0RH0000D622	MCR10EZHZJ000 0OHM 5% 1/8W 2012	R5048	0RJ0822C678	MCR01MZPJ820 820OHM 5% 1/16W 100
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R4174	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 160	R5064	0RJ5601D677	MCR03EZPJ562 5.6KOHM 5% 1/10W 1
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R4185	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 160	R5066	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 16
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R5004	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R5078	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100
R5005	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R5079	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R5006	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R5080	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1
R5007	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R5081	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1
R5008	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R5082	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R5015	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R5083	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
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R5023	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R5085	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
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R5029	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1	R5087	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005

REPLACEMENT PARTS LIST

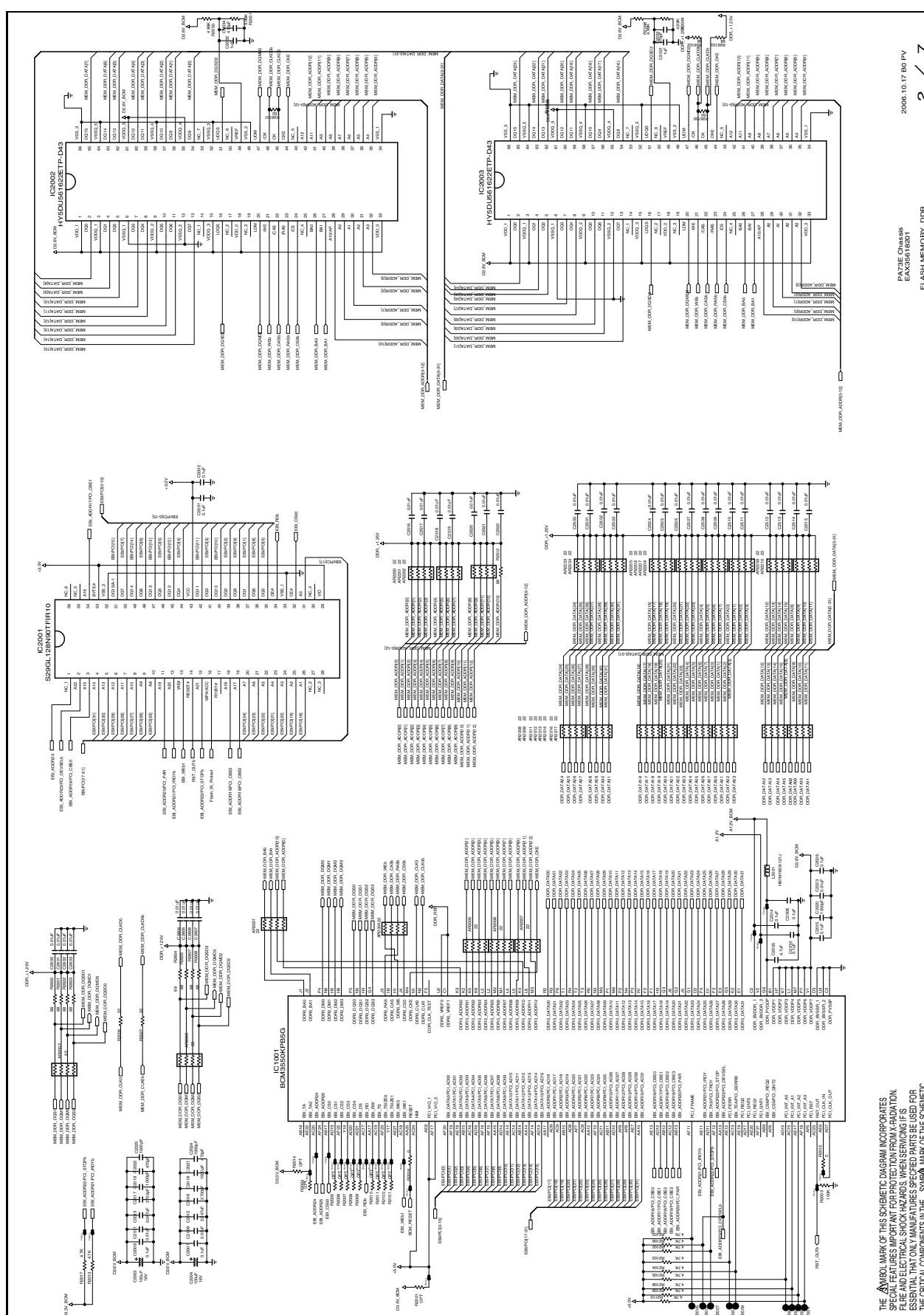
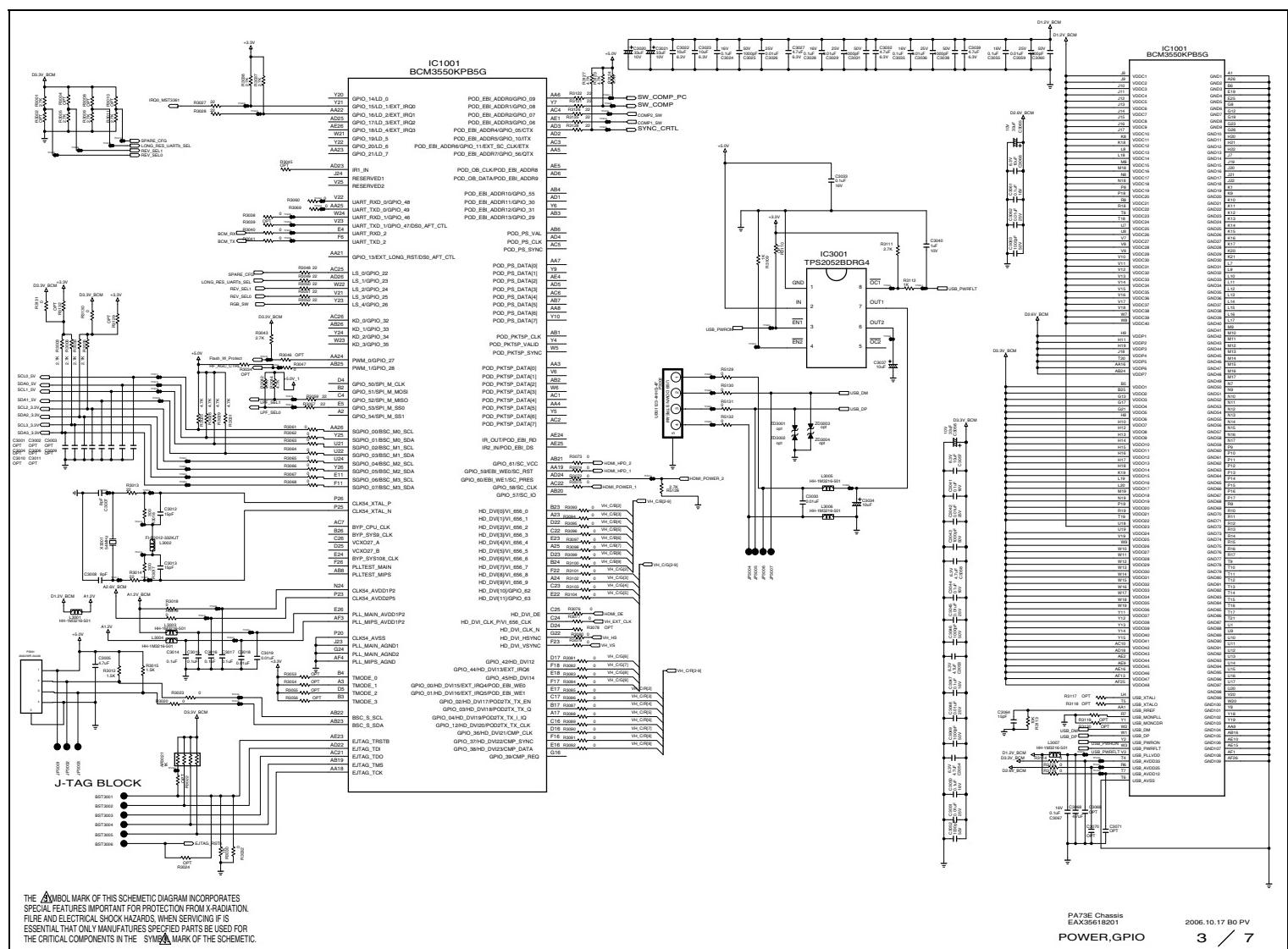
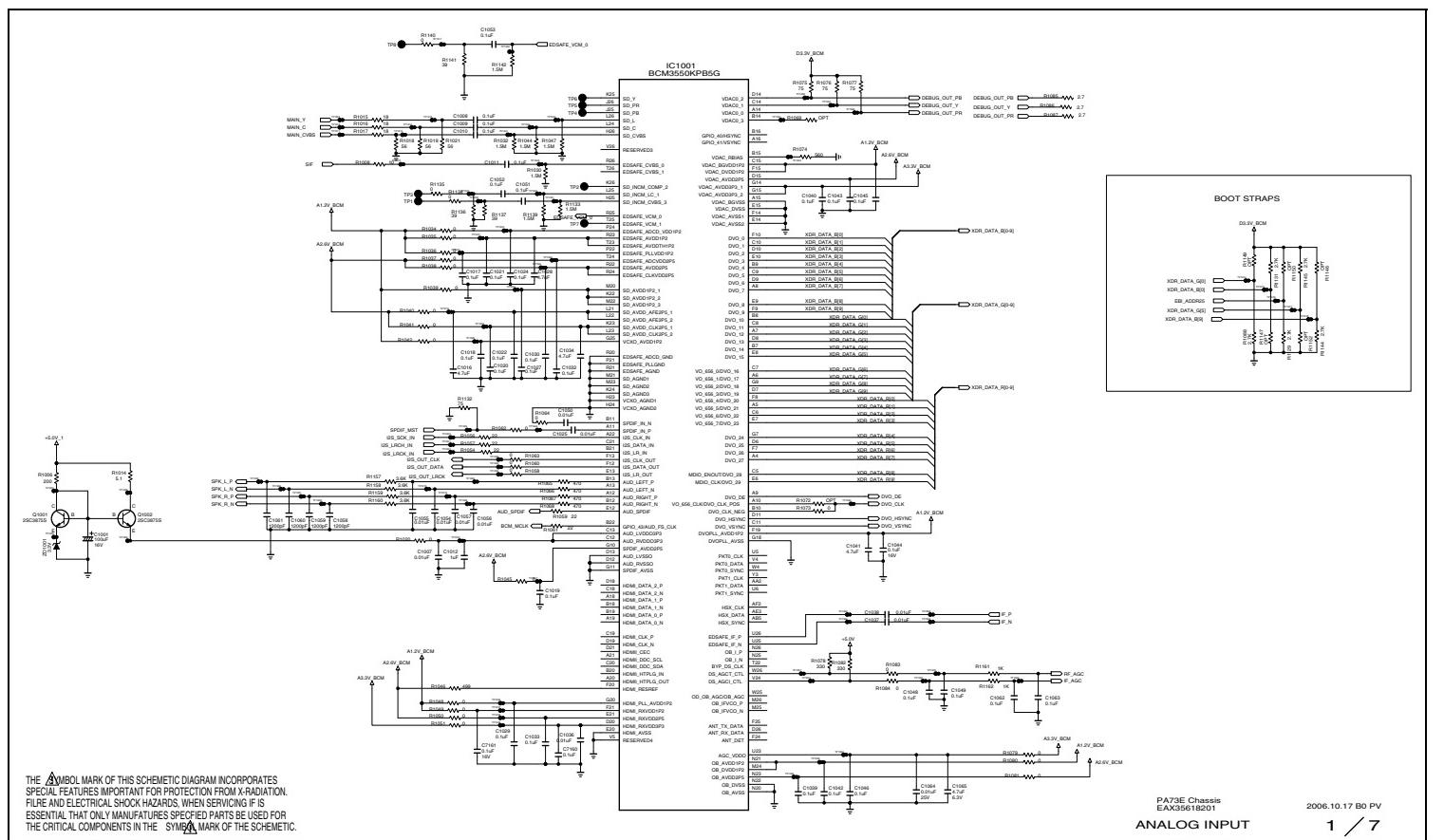
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R5089	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R6037	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5090	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R6038	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5091	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1	R6042	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5093	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R6043	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R5094	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R6048	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R5095	0RJ0752C678	MCR01MZPJ750 750OHM 5% 1/16W 100	R6049	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
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R5099	0RJ0822C678	MCR01MZPJ820 820OHM 5% 1/16W 100	R6052	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R5100	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R6053	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5101	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R6054	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5103	0RJ0822C678	MCR01MZPJ820 820OHM 5% 1/16W 100	R6057	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5105	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1	R6058	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5106	0RJ0822C678	MCR01MZPJ820 820OHM 5% 1/16W 100	R6059	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
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R5108	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R6063	0RH0000D622	MCR10EZJH000 0OHM 5% 1/8W 2012
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R5113	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R6083	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5114	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1	R6085	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R5115	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R6088	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5116	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10	R7004	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 16
R5117	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R7005	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 10
R5118	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 16	R7006	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 160
R5120	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 160	R7007	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1
R5121	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 160	R7008	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 16
R5122	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1	R7009	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 160
R5123	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1	R7010	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5124	0RJ5601D677	MCR03EZPJ562 5.6KOHM 5% 1/10W 1	R7011	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5125	0RJ5601D677	MCR03EZPJ562 5.6KOHM 5% 1/10W 1	R7012	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
R5126	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 160	R7013	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 100
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R5128	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 1	R7015	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1
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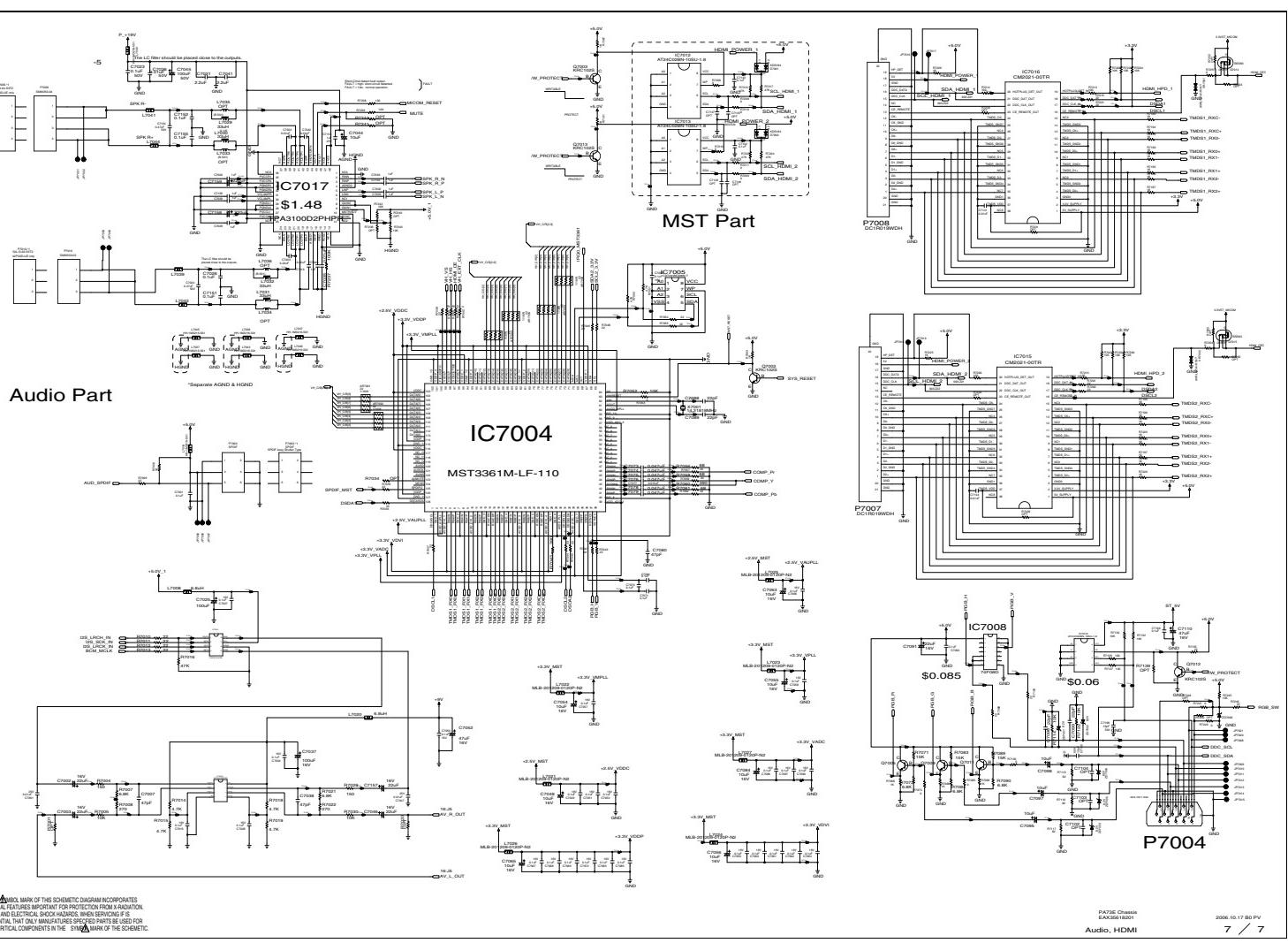
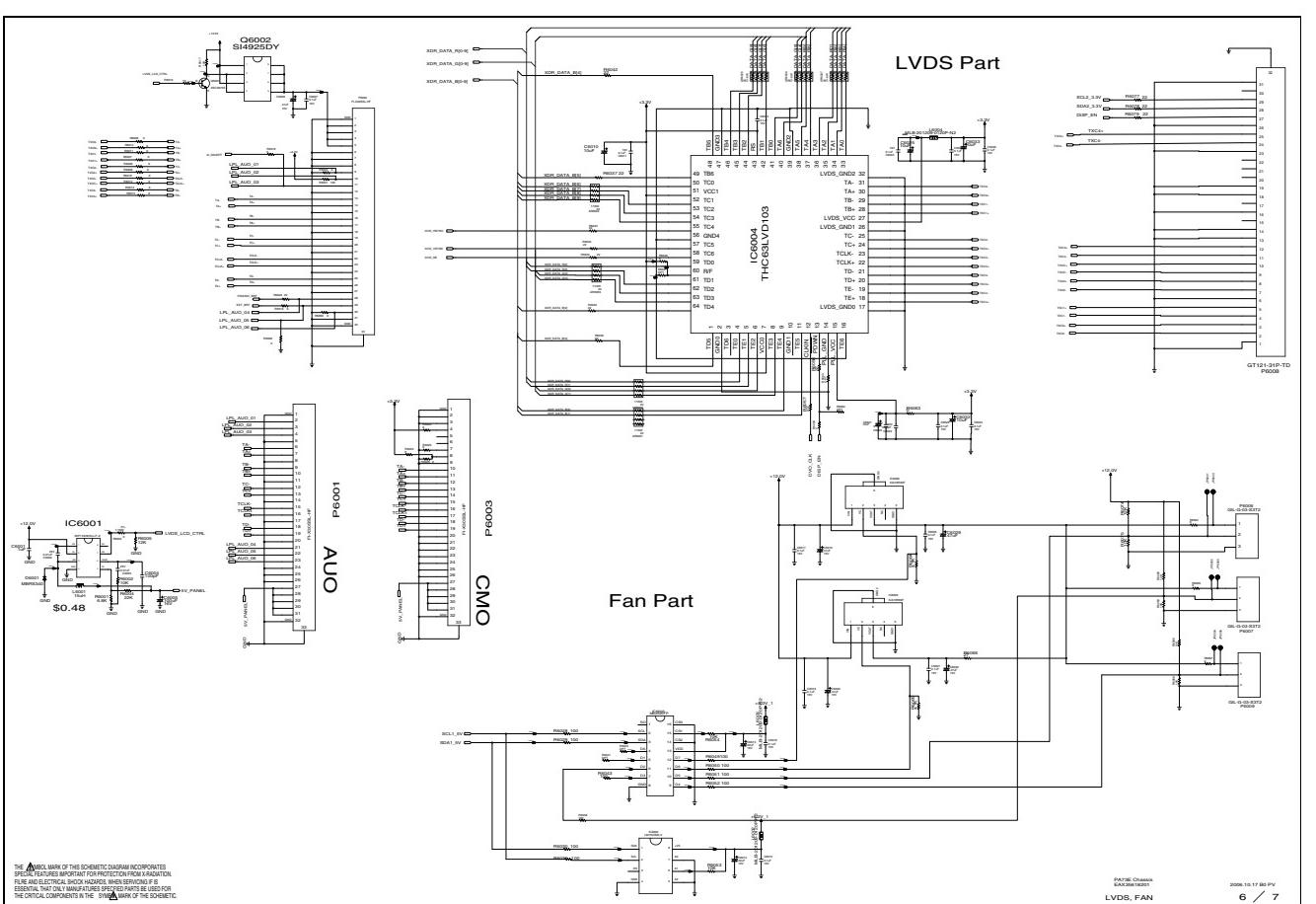
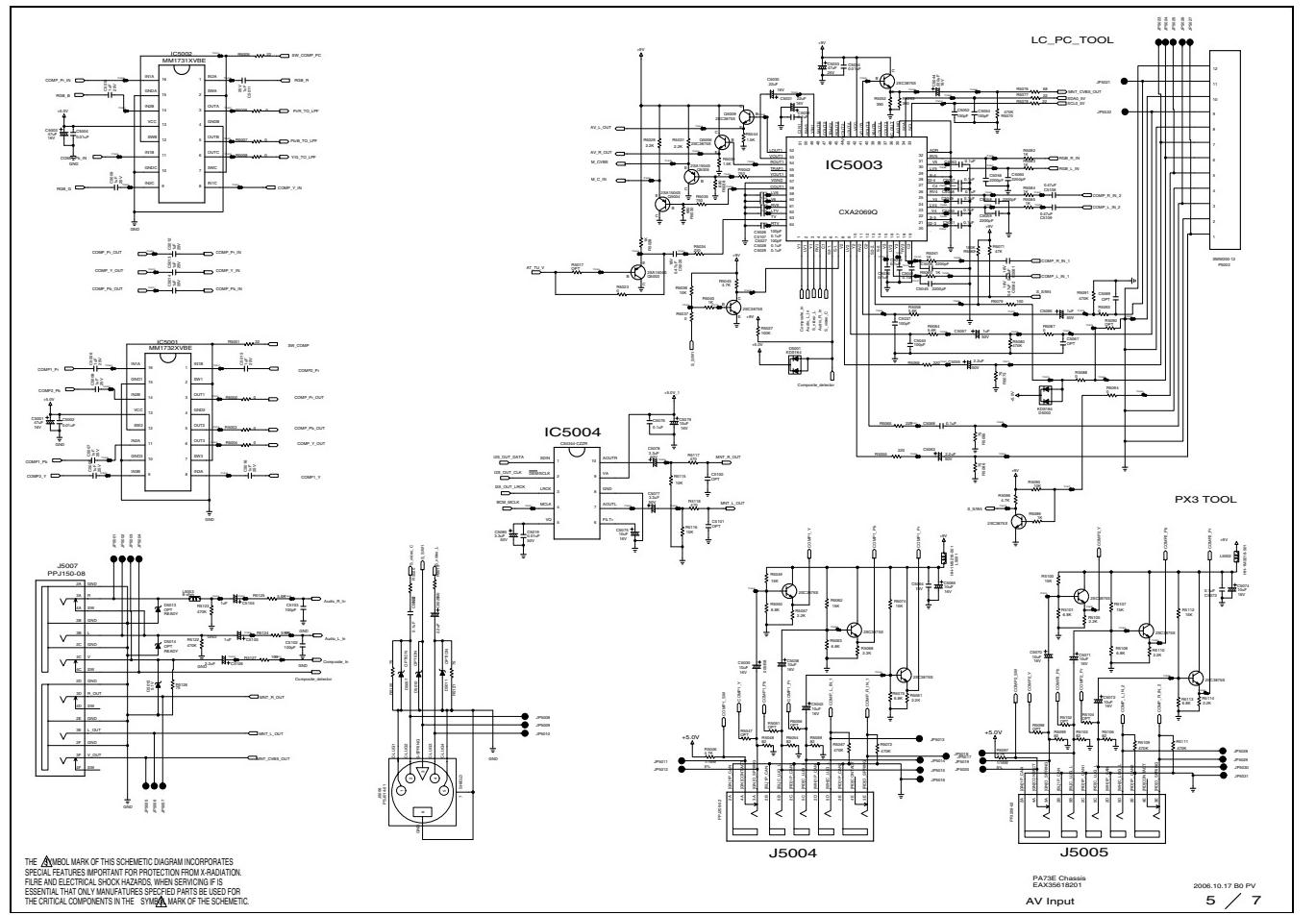
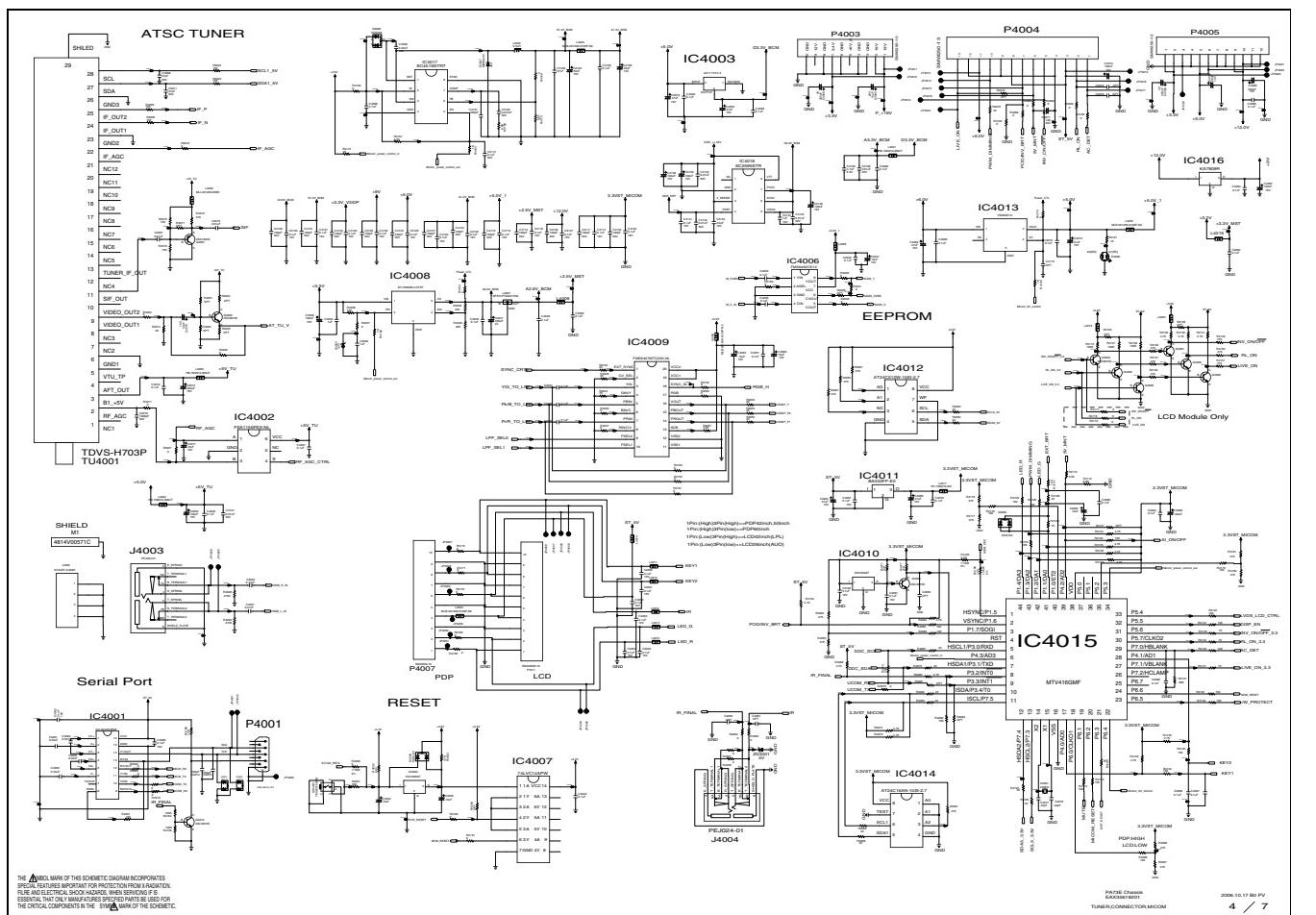
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R7045	0RJ0332C678	MCR01MZPJ330 330OHM 5% 1/16W 100	R7193	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7046	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R7194	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7047	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R7195	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7048	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R7196	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7049	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R7197	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7050	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R7198	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7051	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1	R7199	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7052	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7200	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
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R7056	0RJ0682D677	MCR03EZPJ680 680OHM 5% 1/10W 160	R7204	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7057	0RJ0332C678	MCR01MZPJ330 330OHM 5% 1/16W 100	R7205	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7058	0RJ0682D677	MCR03EZPJ680 680OHM 5% 1/10W 160	R7206	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7059	0RJ0332C678	MCR01MZPJ330 330OHM 5% 1/16W 100	R7208	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7060	0RJ3900D677	MCR03EZPJ391 390OHM 5% 1/10W 16	R7209	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7061	0RJ0682D677	MCR03EZPJ680 680OHM 5% 1/10W 160	R7210	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7062	0RJ0332C678	MCR01MZPJ330 330OHM 5% 1/16W 100	R7211	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7063	0RJ1001C678	1KOHM 5% 1/16W	R7212	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7067	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7213	0RJ0000D677	MCR03EZPJ101 0OHM 5% 1/10W 16
R7068	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7214	0RJ0000D677	MCR03EZPJ101 0OHM 5% 1/10W 16
R7071	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R7215	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W 160
R7072	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R7216	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R7073	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7217	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7080	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7218	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7083	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R7219	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7084	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R7220	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7085	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7221	0RJ0222D677	MCR03EZPJ220 220OHM 5% 1/10W 160
R7086	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7222	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16
R7088	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R7223	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7089	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 16	R7224	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 16
R7090	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 1	R7225	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R7100	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005	R7226	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R7105	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 100	R7233	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7114	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7234	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7117	0RJ0822C678	MCR01MZPJ820 820OHM 5% 1/16W 100	R7237	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1
R7118	0RJ0822C678	MCR01MZPJ820 820OHM 5% 1/16W 100	R7238	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R7119	0RJ0822C678	MCR01MZPJ820 820OHM 5% 1/16W 100	R7239	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10
R7122	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7242	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7126	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7243	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7127	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 10	R7245	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16
R7130	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7246	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100
R7132	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 16	R7247	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R7155	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 100	R7249	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R7186	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16	R7251	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R7187	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16	R7252	0RJ5602D677	MCR03EZPJ563 56KOHM 5% 1/10W 16
R7188	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16	R7254	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R7189	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16	R7255	0RJ5602D677	MCR03EZPJ563 56KOHM 5% 1/10W 16
R7190	0RJ0271D677	MCR03EZPJ2R7 2.7OHM 5% 1/10W 16	R7267	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R7270	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608	L7019	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
R7271	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 160	L7021	OLCML00003B	Filter,Bead MLB-201209-0120P-N2 120
R7272	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 160	L7022	OLCML00003B	Filter,Bead MLB-201209-0120P-N2 120
SWITCH					
SW101	140-313B	Switch,Tact KPT-1115AM 1C1P	L7023	OLCML00003B	Filter,Bead MLB-201209-0120P-N2 120
SW102	140-313B	Switch,Tact KPT-1115AM 1C1P	L7024	OLCML00003B	Filter,Bead MLB-201209-0120P-N2 120
SW103	140-313B	Switch,Tact KPT-1115AM 1C1P	L7025	OLCML00003B	Filter,Bead MLB-201209-0120P-N2 120
SW104	140-313B	Switch,Tact KPT-1115AM 1C1P	L7026	OLCML00003B	Filter,Bead MLB-201209-0120P-N2 120
SW105	140-313B	Switch,Tact KPT-1115AM 1C1P	L7027	OLCML00003B	Filter,Bead MLB-201209-0120P-N2 120
SW106	140-313B	Switch,Tact KPT-1115AM 1C1P	L7037	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
SW107	140-313B	Switch,Tact KPT-1115AM 1C1P	L7038	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
SW108	140-313B	Switch,Tact KPT-1115AM 1C1P	L7039	6210TCE001S	Filter,Bead HU-1M2012-121 120OHM 2X
FILTER & CRYSTAL					
AR7001	6210TCE002B	Filter,Bead HB-4M3216-121JT 120OHM	L7040	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
AR7002	6210TCE002B	Filter,Bead HB-4M3216-121JT 120OHM	L7041	6210TCE001S	Filter,Bead HU-1M2012-121 120OHM 2X
AR7003	6210TCE002B	Filter,Bead HB-4M3216-121JT 120OHM	L7042	6210TCE001S	Filter,Bead HU-1M2012-121 120OHM 2X
AR7004	6210TCE002B	Filter,Bead HB-4M3216-121JT 120OHM	L7043	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
AR7005	6210TCE002B	Filter,Bead HB-4M3216-121JT 120OHM	L7044	6210TCE001S	Filter,Bead HU-1M2012-121 120OHM 2X
AR7006	6210TCE002B	Filter,Bead HB-4M3216-121JT 120OHM	L7045	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
L2001	6210TCE0013	Filter,Bead HB-1M1608-121JT 120OHM	L7046	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
L3001	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM	L7047	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM
L3003	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM	X3001	6212AA2600B	Crystal,54MHz 30PPM
L3004	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM	X4001	6202TST001E	Crystal,SX-1 24MHZ 30PPM(20PF) 24MHZ
L3005	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM	X7001	6202TST001A	Crystal,SX-1 14.31818MHZ 30PPM(18PF)
MISCELLANEOUS					
IC100	6712000013A	Receiver Module,TSOP4438SO1			
IC2001	SAA30670903	S/W,Firmware 3.00.0 F51E			
"	SAA30875502	S/W,Firmware 3.02.0 F096 *50PC5DC			
IC4015	SAA30671003	S/W,Firmware 3.02.0 0AAD			
"	SAA30875602	S/W,Firmware 3.06.0 A186 *50PC5DC			
IC6002	OIPRPN504A	Sensor,Temperature LM75CIMX-3			
M1	4814V00571C	Plate,PRESS STS T0.5			
P7003	68719ST035E	PCB Assembly,Sub TOX177L(F,T)			
TU4001	EBL32758001	Tuner,Analog/Digital TDVS-H703P			
VR7001	6102W5V016A	Varistor,AVRL161A1R1NT 10V 30%			
VR7002	6102W5V016A	Varistor,AVRL161A1R1NT 10V 30%			
ACCESSORIES					
A1	MFL34797017	Manual,Owners			
A1	MFL34797005	Manual,Owners *LGECI			
A1	SAC30708001	Title,CD Manual			
A2	AKB32559904	Remote Controller Assembly			
A3	EAD36401701	Power Cord			
A4	6852TAZ010F	Cable,Assembly SMA CONNECTOR(M)			
A7	4972V00178A	Supporter,COMPLEX NON METAL ASSY			







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